# NAPP Technologies, Inc.

Lodi, New Jersey



# **Preliminary Assessment Report**

**ENSR Consulting and Engineering** 

February 1996

Document Number 9500-196-2OP

# Napp Technologies, Inc.

Lodi, New Jersey

Preliminary Assessment Report

**ENSR Consulting and Engineering** 

February 1996

Document Number 9500-196-20P



#### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION CN 028, TRENTON, NJ 08625-0028

#### PRELIMINARY ASSESSMENT REPORT

Please refer to the instructions and the Technical Requirements for Site Remediation, N.J.A.C. 7:26E-3.1 through 3.2., before completing this form. Answer all questions. Should you encounter any problems in completing this form, we recommend that you discuss the matter with a representative from the Site Remediation Program. Submitting incorrect or insufficient data may cause processing delays and possible postponement of your transaction. Please call (609) 633-7141 between the hours of 8:30 a.m. and 4:30 p.m. to request assistance.

PLEASE PRINT OR TYPE	D	)ate	
Industrial Establishment/	Site Name <u>N</u>	lapp Technologies, Inc.	
Address 199 Main Stre	et		
City or Town Lodi.		Zip Code	07644
Municipality Borough of	Lodi	County Bergen	
Lot(s) 7 & 8, Leased Po			
Site Remediation Progran	n Case Number o	or EPA Identification Nur	nber
	ISRA Ca	ise #95400	
Operational and Ownersl farmland. (Attach additional shee		the time the site was r	naturally vegetated or used as
Name	Owner/ Operator <sup>1</sup>	From	То
United Piece & Dye Work	s (UPDW) Owne	er/Operator 1903	1939
Borough of Lodi	Owner	1939	1943
Jersey Bread Co	Operator	1939	1943
Russell Holding Corp.	Owner	1943	(See Attachment_1) <sup>2</sup>
Pattberg (aka Patterson)  Novelty Corp	Owner	Unknown	1946
B.L. Lemke & Co.,Inc.	Owner/Operato	r <u>1946</u>	1970
Nappwood Land Corp.	Owner	1970	Present
Napp Technologies	Operator	1970	Present



Napp Technologies acquired both Parcels A (Lot 8) and B (Lot 7) from B. L. Lemke & Co. The operational and ownership history for Parcel A is presented above. See Attachment 1 for operational and ownership history for Parcel B. Parcels A and B are identified on Figure 1 of Attachment 5.

Revision	No:
Revision	Date:



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2A. Provide a brief description of the past operation(s) (e.g., industrial/commercial) conducted on site by each owner and operator (Attach additional sheets if necessary).

The previous owner, B.L. Lemke & Company, Inc. was a chemical manufacturer for the pharmaceutical industry which produced and stored dry pharmaceutical, cosmetic and food chemical products. The operating history of Parcel A between 1939 and 1946, prior to ownership by B.L. Lemke & Co., was unavailable from a review of local records. However, it appears that Jersey Bread Company operated on the premises under a lease agreement with the Borough of Lodi in 1939. Prior to B.L. Lemke & Co. operations, Parcel B was owned by Lodi Realty Corporation (1954 to 1963), Nathan and Lillian Summer (1945 to 1954), and the Borough of Lodi (1939 to 1945). While owned by the Borough of Lodi, Parcel B appears to have been leased to the Ronald Furniture Company at some time between 1939 and 1945. Information concerning site operations between 1939 and 1963 is unavailable. Prior to 1939, the United Piece & Dye Works (UPDW) appears to have utilized all or a portion of the subject property for their offices and shipping operations. The 1917 Sanborn Map shows Parcel B, located adjacent to the UPDW building, to be undeveloped. The site history was obtained based upon a review of Building Department records, deeds, historical directories, aerial photographs, and Sanborn Maps. Only limited information is available regarding operations by UPDW and by B.L. Lemke.

2B. Include a detailed description of the most recent operations subject to this preliminary assessment (Attach additional sheets if necessary). (See Attachment 2B). 3. Hazardous Substance/Waste Inventory: List all raw materials, finished products, formulations and hazardous substances, hazardous wastes, hazardous constituents and pollutants, including intermediates and by-products that are or were historically present on the site (attach additional sheets if necessary). Material Typical Storage Method/ Location Reference To Remain Name Annual Container Type/Size Keyed to Site Map on site? Usage If yes, indicate quantity

			**************************************	
and past produ- evaluated, include	ction processes ding ultimate and	, including dates, and the potential discharge and	Industrial Waste and/or saineir respective water use sidisposal points and how ants shall be clearly depicted	shall be identified and nd where materials are



(See Attachment 3 to this report.)



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A. Provide a narrative of disposal processes for all process waste streams and disposal points. (attach additional sheets if necessary)

Process wastewater discharged from manufacturing and processing activities conducted by Napp was regulated under the Passaic Valley Sewerage Commissioners (PVSC) industrial pretreatment program. The Napp facility operated an effluent pretreatment system which consisted of pH adjustment with sodium hydroxide and hydrochloric acid. This system was also monitored for percentage of lower explosive limit, BODs, total suspended solids, cyanide, and OCPSF parameters.

(See Attachment 4 for more information)

#### B. Discharge Period:

From	То	Discharge Type & Quantity, if known	Discharge/Disposal Point
1970	Present	Sanitary	Public Treatment Works (PVSC)
1970	1981	Process Wastewater	Public Treatment Works (PVSC)
1981 (See Attachment 4 for mo	Present ore information)	Process Wastewater	On-site Treatment to PVSC



5. In accordance with N.J.A.C. 7:26E-3.2(a) 3.1, provide a scaled site plan, depicting the site boundaries, known limits of fill, paved and unpaved areas, structures and any of the potential areas of environmental concern listed below.

In accordance with N.J.A.C. 7:26E-3.1(c)1.v, a narrative shall also be provided for each area of concern describing the (A) Type; (B) Age; (C) Dimensions of each container/area; (D) Chemical Content; (E) Volume; (F) Construction materials; (G) Location; (H) Integrity (i.e., tank test reports, description of drum storage pad); and (I) Inventory control records, unless a Department-approved leak detection system, pursuant to N.J.A.C. 7:1E or 7:14B, has always been in place and there is no discharge history. A site investigation must be completed in accordance with N.J.A.C. 7:26E-3.10 for all areas which require sampling.

Area of Concern	Currently/Formerly Exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed <sup>3</sup> Yes/No	Narrative provided to support proposal Yes/No

(See Attachment 5A - 5F for narrative details, scaled site plan, and Storm and Process Drain Schematics)

A. Bulk storage tanks and appurtenances, including, without limitation:

Aboveground Tanks and associated piping	<u>Yes</u>	<u>1A -</u> 1N	<u>Yes:</u> 1A-1C, 1F, 1H, 1N No: 1D, 1E, 1G, 1I-1M	<u>Yes</u>
Underground Tanks and associated piping	<u>No</u>			
Silos	No		-	



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<sup>3</sup> Yes indicates a review of structural integrity and/or environmental sampling.



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Area of Concern	Currently/Formerly Exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed <sup>3</sup> Yes/No	Narrative provided to support proposal Yes/No
Rail Spurs or Sidings	<u>No</u>	-		
Above or below ground pump stations	Yes	<u>3A -</u> 3F	<u>Yes:</u> 3A-3F	Yes
Sumps	<u>Yes</u>	<u>4A -</u> 4F	<u>Yes:</u> 4A-4F	<u>Yes</u>
Pits	<u>Yes</u>	<u>5A -</u> 5K	Yes: 5A-5K	<u>Yes</u>
Rail/Truck loading and unloading areas	Yes	<u>6A -</u> 6C	<u>No</u>	<u>Yes</u>
Storage pads and areas including Drum and/or waste storage	<u>Yes</u>	<u>7A &amp;</u> 7B	No: 7B Yes: 7A	<u>Yes</u>
Surface lagoons and impoundments	<u>No</u>			· · · · · · · · · · · · · · · · · · ·
Dumpsters	<u>Yes</u>	<u>8A</u>	<u>No</u>	<u>Yes</u>
Chemical storage cabinets or closets	<u>Yes</u>	<u>9A</u>	<u>No</u>	<u>Yes</u>
B. Drainage systems ar	nd areas, including, withou	out limitations:	V 1 O	al I a a al a u
Floor drains or trenches and piping	<u>Yes</u> See Ma	<u>10A -</u> 10C; p P-1, "Process D	Yes: 1 Gener and 10A-10C rain Schematic"	
Process area sinks and piping which receive process waste	Yes	<u>See Map P-</u> "Process Drain S		<u>Yes</u>
Roof leaders when process operations vent to roof	<u>Yes</u>	<u>See Map P-2</u> "Storm Drain Sch		Yes
Drainage swales and culverts	<u>No</u>			<del></del>
Storm sewer collection systems	<u>Yes</u>	<u>See Map P-2</u> "Storm Drain Sch		<u>Yes</u>





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Area of Concern	Currently/Formerly Exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed <sup>3</sup> Yes/No	Narrative provided to support proposal Yes/No
Storm water detention ponds & fire water ponds	<u>No</u>	·		
Surface water bodies	<u>No</u>			
Septic systems, leachfields or seepage pits	<u>No</u>			
Dry wells	<u>Yes</u>	<u>11A</u> & 11B	Yes	Yes
C. Discharge and dispo	osal areas, including, witho	out limitation:		
Waste piles	No	<del></del>		
Landfills or landfarms	<u>No</u>			
Sprayfields	No	-		
Incinerators	No		-	
Open Pipe Discharges	Yes	<u>12A</u>	<u>No</u>	Yes
D. Other areas of conce	ern, including, without limi	tation:		
Electrical Transformers and capacitors	Yes	<u>13A -</u> 13B	Y <u>es: 1</u> 3A No: 13B	<u>Yes</u>
Areas of stressed vegetation	<u>No</u>			
Underground piping, including industrial process sewers	<u>Yes</u>	See Maps P-1 and P-2	No	<u>Yes</u>
Compressor vent discharges	<u>Yes</u>	<u>14A -</u> 14C	No: 14B & 14 Yes: 14A	C <u>Yes</u>
Non-contact cooling water discharges	<u>Yes</u>	<u>15A</u>	No	Yes



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Area of Concern	Currently/Formerly Exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed <sup>3</sup> Yes/No	Narrative provided to support proposal Yes/No		
Discolored areas or spill area	<u>Yes</u>	<u>16A</u>	Yes	Yes		
Active or inactive production wells	<u>Yes</u>	<u>2A</u>	<u>No</u>	<u>Yes</u>		
E. Building interior area	as with a potential for disc	harge to the envi	ironment, inclu	uding, without limitation:		
Loading or transfer areas	<u>Yes</u>	Manuf. Bldg.	No	<u>Yes</u>		
Waste Treatment areas	<u>No</u>			<del></del>		
Boiler rooms	Yes	<u>17A</u>	Yes	Yes		
Air vents and ducts	Yes	<u>18A;</u> Manuf. Bldg.	<u>No</u>	<u>Yes</u>		
Hazardous material storage or handling areas	<u>Yes</u>	<u>Man</u> uf. Bldg.	<u>No</u>	<u>Yes</u>		
F. Any other site specifi	c area of concern.					
Inconsistent curbing	Yes	20A & 20B	<u>No</u>	<u>Yes</u>		
Pavement cracks	<u>Yes</u>	<u>21A -</u> 21C	Yes	<u>Yes</u>		
6. Has the required eva- concern for which a wait		of past remediat	tions been co	mpleted for each area of		
Not Applicable		Vac N	No.			
Are the appropriate certif	fications included?	YesN YesN	No			
If No, then a waiver can not be considered by the Department and the applicant is expected to complete a site investigation for each area of concern to verify the presence or absence of contaminants above the current NJDEP cleanup criteria.						
7. Historical Data on en	vironmental quality at the	Industrial Establis	shment			
A. Have any p Establishment no approval by the l	previous sampling results of received a no further Department?	documenting e action approval	nvironmental from the Dep	quality of the Industrial partment or been denied		
	es (See Attachment # _ 7	) No				



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establish of Depar sheets if	de a discussion of any remediation activities previously conducted or underway at the indust ment, including dates of discharges, remedial action taken, sample results, current status or cop tment or other government agency no further action approval(s), if appropriate (attach addition necessary).
9. Disch	arge History of Hazardous Substances and wastes:
	arge History of Hazardous Substances and wastes:  A. Have there been any discharges of hazardous substances and wastes?
A	A. Have there been any discharges of hazardous substances and wastes?
A	A. Have there been any discharges of hazardous substances and wastes?  ———————————————————————————————————
A	A. Have there been any discharges of hazardous substances and wastes?  ———————————————————————————————————
E	A. Have there been any discharges of hazardous substances and wastes?  ———————————————————————————————————
E	A. Have there been any discharges of hazardous substances and wastes?  ———————————————————————————————————
E	A. Have there been any discharges of hazardous substances and wastes?  Yes (Complete Items B-E) No  Was the Department notified of the discharge?  Yes No (Go to item 9D)  If yes, provide the case # None assigned  Was a no-further-action letter, negative-declaration approval or full-compliance letter issued a result of the cleanup of this discharge?  Yes (Submit a copy and go to item 9E) No
E	A. Have there been any discharges of hazardous substances and wastes?  ———————————————————————————————————
E	A. Have there been any discharges of hazardous substances and wastes?  Yes (Complete Items B-E) — No  Was the Department notified of the discharge?  Yes — No (Go to item 9D)  If yes, provide the case # None assigned  Was a no-further-action letter, negative-declaration approval or full-compliance letter issued a result of the cleanup of this discharge?  Yes (Submit a copy and go to item 9E) — No (For 1987 discharge, not for 1993 discharge)  Were sample results obtained?



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Acrial Photogram	nhic interpretation fo	or sites larger than two ac	roe from 1022 to proce	ent or to the cou
		sheets if necessary).	res nom 1932 to prese	sit of to the ear
ee Attachment 10	<b>)</b> .	47.5		
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		onmental permits at this		
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d current owners		d for, received, or both (A		
d current owners  Check here	or operators, applied if no permits are inv	d for, received, or both (A	Attach additional shee	
d current owners  Check here	or operators, applied if no permits are inv	d for, received, or both (#	Attach additional shee	ts if necessary
d current owners  Check here  A. New Jers	or operators, applied if no permits are invisely Air Pollution Cor	d for, received, or both (# colved introl (See Attachment 11)	Attach additional shee	ts if necessary
d current owners  Check here  A. New Jers  Permit	or operators, applied if no permits are involved sey Air Pollution Cor Certificate	d for, received, or both (# olved introl (See Attachment 11)  Date of	Attach additional shee	ts if necessary  Expiration
d current owners  Check here  A. New Jers  Permit	or operators, applied if no permits are inv sey Air Pollution Cor Certificate Number	olved  ntrol (See Attachment 11)  Date of Approval or Denial	Attach additional shee  Reason for Denial  (if applicable)	ts if necessary  Expiration  Date
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d current owners  Check here  A. New Jers  Permit	or operators, applied if no permits are invited sey Air Pollution Correctificate Number 062130 062461 063144	d for, received, or both (Acolved  introl (See Attachment 11)  Date of Approval or Denial8/17/82 8/17/8211/22/82	Attach additional shee  Reason for Denial  (if applicable)	Expiration Date 8/17/97 8/17/97 8/7/95
Check here  A. New Jers  Permit Number  ———	or operators, applied if no permits are invited sey Air Pollution Correction Certificate Number 062130 062461 063144 071467	d for, received, or both (Acolved  introl (See Attachment 11)  Date of Approval or Denial8/17/82 8/17/8211/22/82	Reason for Denial (if applicable)	Expiration Date 8/17/97 8/17/97 8/7/95

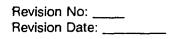


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Number <u>#NJ0088315</u>	Discharge Activity Stormwater Runoff	Date Issued or Denied 8/16/93	Expiration Date	Body of Water Discharged Into Saddle River
D. Resource Con	servation and Recovery Ac	t (RCRA) permit #	NJD01315282 (ge	nerator ID only)
E. All other federa	al, state, local government	permits.		
Agency Issuing	Permit #	Type of Permit	Date of Approval or Denial	Expiration Date
Passaic Valley Sewerage Commis	ssioners <u>174011</u> 42	Sewer Connection Per		2/ <u>24/96</u>
Borough of Lodi	<u>No. 94</u> -13	Hazardous Mate U <u>se &amp; Sto</u> rage	enai <u>Date</u> s not A	vailable
Passaic Valley Sewerage Commis	10/30/95 letter	<u>Stormwater</u>	<u>10/30/9</u> 5	
(See Attachment 1 * Copy included in	1) n Attachment 11 as request	ed by NJDEP durin	ng 11/8/95 site inspe	ection
	nforcement actions (including ves) for violations of envi			
A. Check here i	f no enforcement actions a	re involved		
B. (1) Name and	address of agency that in	itiated the enforcem	nent action	
(See Attachment 1	2B for details)			
(2) Date of the	enforcement action (See	Attachment 12B fo	r details)	
(3) Section of	statute, rule or permit alleg	gedly violated (See	Attachment 12B for (	details)
(4) Type of en	forcement action (See Atta	achment 12B for de	tails)	
(5) Description	of the violation (See Atta	chment 12B for det	ails)	
(6) How was th	e violation resolved?			





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(See Attachment 12B for details)	
e Map	
A. In accordance with N.J.A.C. 7:26E-3.2(a) 3.i, submit a scaled and block, property and/or leasehold boundaries, location of curr paved and unpaved areas, vegetated areas, and all areas of condor inactive wells.	rent and former buildings, fill areas,
B. Scaled historical site maps and facility as built drawings (if a	ıvailable).
C. A copy of the United States Geologic Survey (USGS) 7.5 min includes the site and an area of at least one mile radius around be clearly noted. If a portion of the USGS quadrangle is used interval, longitude and latitude with the name and date of the US the map.	the site. The facility location shall if, the scale, north arrow, contour
See Attachments 5 and 13	
t any other information you are submitting or which has been form	erly requested by the Department:
Description N/A	Attachment #
	A. In accordance with N.J.A.C. 7:26E-3.2(a) 3.i, submit a scaled and block, property and/or leasehold boundaries, location of current paved and unpaved areas, vegetated areas, and all areas of concordinactive wells.  B. Scaled historical site maps and facility as built drawings (if a c. A copy of the United States Geologic Survey (USGS) 7.5 min includes the site and an area of at least one mile radius around be clearly noted. If a portion of the USGS quadrangle is used interval, longitude and latitude with the name and date of the US the map.  See Attachments 5 and 13



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#### **CERTIFICATIONS:**

A. The following certification shall be signed by the highest ranking individual at the site with overall responsibility for that site or activity. Where there is no individual at the site with overall responsibility for that site or activity, this certification shall be signed by the individual having responsibility for the overall operation of the site or activity.

I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information, and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Typed/Printed Name	Title
Signature	Date
Sworn to and Subscribed Before Me	
on this	
Date of 19	
Notary	
B. The following certification shall be signed as follows:	ows:
<ol> <li>For a corporation, by a principal executive officer</li> <li>For a partnership or sole proprietorship, by a ger</li> <li>For a municipality, State, Federal or other public agelected official; or</li> <li>For persons other than 1-3 above, by the person</li> </ol>	neral partner or the proprietor, respectively; or gency, by either a principal executive officer or ranking
herein and all attached documents, and that, bas responsible for obtaining the information, I believe complete. I am aware that there are significant civil incomplete information, and that I am committing a	camined and am familiar with the information submitted sed on my inquiry of those individuals immediately that the submitted information is true, accurate and penalties for knowingly submitting false, inaccurate or a crime of the fourth degree if I make a written false also aware that if I knowingly direct or authorize the penalties.
Typed/Printed Name	Title
Signature	Date
Sworn to and Subscribed Before Me	
on this	
Date of 40	



Notary



Operational and Ownership History





#### **ATTACHMENT 1**

1. Operational and Ownership History from the time the site was naturally vegetated or used as farmland (Continued from page 1 of 11).

Name	Owner/ Operator	From	То
United Piece & Dye Works (	UPDW) Owner/O	perator 1903	1939
Borough of Lodi	Owner	1939	1945
Ronald Furniture Company	Operator_	1939	1945
Nathan & Lillian Summer	Owner	1945	1954
Lodi Realty Corp	Owner	1954	1963
Bl lemke & Co.Inc. Own	er/Operator	1963	1973
Nappwood Land Corp	Owner	1973	Present
Napp Technologies	Operator_	1973	Present



<sup>2</sup> Between 1943 and 1946, it appears that Parcel A was transferred between one or more mortgage companies under the ownership of Russell Holding Corp. based on information contained within the deed between Pattberg Novelty Corp. and B.L. Lemke & Co., Inc.







## **ATTACHMENT 2B**

**Detailed Description of Most Recent Operations** 

#### **ATTACHMENT 2B**



2B. Include a detailed description of the most recent operations subject to this preliminary assessment (Continued from page 2 of 11)

At this site, Napp Technologies Inc. manufactured bulk generic drugs and performance chemicals for the cosmetic and pharmaceutical industry, serving as a world-wide source of generic drugs. Processes at Napp Technologies included the synthesis and drying of compounds mixed with water and/or solvent, the blending and grinding of mixtures of dry powder, sometimes mixed with water to produce other products, and micronizing and other particle size reduction operations. Specific processes included, but were not limited to, para-hydroxybenzoic acid production, methylparaben production and trimethoprim production. Operations were conducted on a contract basis. Raw materials used and finished products varied with each contract.

To accommodate a need for additional warehousing space in 1981, Napp Technologies began occupying and operating in one half of the warehouse space (approximately 18,000 square feet) located adjacent to the Napp site in the former Eisen Metals building at 175 Main Street (Block 81.01, Lot 6), adjacent to the site, for use solely for the warehousing of non-flammable raw materials and finished goods for cosmetics, pharmaceuticals, anti-bacterials, and similar uses. In 1985, it appears that Napp Technologies may have also arranged with Mr. Robert Fortunato to utilize additional warehousing space of 5,000 square feet. Napp Technologies ceased operating at the subject property following an explosion on April 21, 1995 and the property is currently undergoing site investigative activities.





## **ATTACHMENT 3**

Hazardous Material or Hazardous Waste Inventory



#### **ATTACHMENT 3**



Napp operations included manufacturing of a variety of pharmaceutical compounds. These were conducted on a contract basis. Although the facility inventory usually included several materials used in these processes, such as synthesis and drying, materials necessary to produce these preparations varied based upon client specifications. Therefore, an historical facility raw material and finished product inventory would be too expansive to include here. However, the predominant materials used in recent Napp operations have been presented. Since the facility is no longer operational, and many records were lost during the fire/explosion, not all information is available. Where annual usage, storage methods, and location information is not available, "NA" is indicated in the table below. All chemicals were removed from the site during the first phase of the emergency response to the April 21, 1995 explosion.

The following information is based upon detail provided in the facility DPCC/DCR Plan, revised January 9, 1995; Hazardous Waste Generator Annual Reports for 1986 - 1994; Form R Reports, 1992-1994; NJ Release & Pollution Prevention Reports (DEQ 114), 1992 - 1994; Material Safety Data Sheets (MSDSs); and historical information as provided by facility personnel.

The following strategy was used to identify the primary compounds of concern:

- 1. ENSR reviewed Napp's Material Safety Data Sheets (MSDSs) for all compounds purchased or manufactured at the site over at least the past 10 to 15 years. ENSR identified the product name and any hazardous constituents. This resulted in a list of approximately 600 products.
- 2. The product list was broken down into individual constituents. The Chemical Abstract Service (CAS) number for each constituent was identified, where possible, and duplicates were deleted.



- 3. In accordance with N.J.A.C. 7:26E-1.8 and ISRA, potential contaminants were identified based upon the lists of hazardous substances, hazardous constituents, and hazardous wastes. In accordance with N.J.A.C. 7:26E-1.8, these included substances identified in the New Jersey Hazardous Waste Regulations, N.J.A.C. 7:26-8; the New Jersey Discharges of Petroleum and Other Hazardous Substances Regulations, N.J.A.C. 7:1E; the Federal Water Pollution Control Act, EPA Section 311; and EPA's list of Toxic Pollutants, Section 307. The list of site compounds was compared to these regulations and a list of potential contaminants was developed.
- 4. The lists of compounds discussed above were also compared to the facility's Community Right to Know Survey Forms for 1993 and 1994, to determine the maximum quantities present on site at any time. Compounds which were not present in quantities greater that 10 lbs were eliminated from consideration. Compounds for which quantity data were not available remained on the list. Selected compounds were added based upon additional information from facility inventories.

As mentioned above, some of the compounds listed in the hazardous material inventories may be components of products, and therefore may be present only in minor concentrations. Additionally, some of the compounds were trade names, and ingredients were either proprietary or otherwise unavailable. In general, these have been assumed to be nonhazardous.

#### Hazardous Material or Hazardous Waste Inventory:

	<b>?</b>
4	

Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
Acetic acid	NA	55 gallon drums	Drum Storage, Manufacturing	No
Acetone	40,000 - 50,000 lbs.	55 gallon drums	Drum Storage, Manufacturing	No



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Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
Aluminum	NA	NA	NA	No
Ammonium hydroxide	25,000 - 35,000 lbs.	carboy drums	Drum Storage, Manufacturing	No
Ammonium oxalate monohydrate	NA	55 gallon drums	P&B, Finished Goods Warehouse	No
Asbestos	NA	NA	Potentially present on roof of Buildings 3 and 5	No
n-Butanol	NA	55 gallon drums	Drum Storage, P&B, Manufacturing	No
1,2-Butylene oxide	NA	NA	_ NA	No
Cadmium	NA	NA	NA	No
Calcium hypochlorite	NA	55 gallon drums	Lab, Manufacturing	No
Chloromethane	NA	NA	NA	No
Chromic acetate	NA	55 gallon drums	Manufacturing, Warehouse	No
Chromic acetylacetonate	NA	NA	NA	No
Chromium	NA	NA	NA	No
Cobalt	NA	NA	NA	No
Copper acetate monohydrate	NA	NA	NA	No
Cycloheximide	NA	NA	NA	No
1,1- Dichloroethylene	NA	NA	NA	No
Diesel fuel	NA	1,000-gallon aboveground storage tank	AOC 1N	No
Diethanolamine	NA	NA	Manufacturing	No
Diethylamine	NA	55 gallon drums	Drum Storage, Manufacturing	No







Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
Disodium ethylenediamene tetraacetate dihydrate	NA	NA	NA	No
Epinephrine	NA	NA	NA NA	No
Ethyl acetate	NA	NA	NA	No
Ethylamine	NA	NA	NA NA	No
Ethylenediamine- tetraacetic acid	NA	55 gallon drums	Manufacturing, Warehouse	No
Ethylene glycol	NA	NA	NA NA	No
Fumaric acid	NA	55 gallon drums	P&B, Finished Goods Warehouse	No
Furfural	NA	NA	NA	No
Hydrochloric acid	32,000 - 3,200,000 lbs.	8,000-gallon aboveground storage tank 55 gallon drums	Tank Farm (AOC 1G), Drum Storage, Manufacturing; Building 1C	No
Isobutyl alcohol	NA	55 gallon drums	NA	No
Isopropyl alcohol (1-Propanol, 2-Propanol)	NA	3,000-gallon aboveground storage tank 55 gallon drums	Tank Farm (AOC 1C), Drum Storage, P&B, Manufacturing	No
Lead	NA	NA	NA	No
Manganese	NA	NA	NA	No
Methanol	700,000 - 2,000,000 lbs.	6,000-gallon aboveground storage tank 55 gallon drums	Tank Farm (AOC 1A), Manufacturing, P&B, Drum Storage	No
Methyl ethyl ketone	NA	Bottles	Lab	No
Methylene chloride	NA	NA	NA	No
Mineral oil	NA	NA	NA	No
Mineral spirits	NA	NA	NA	No
67% Nitric acid	18,000 - 36,000 lbs.	55 gailon drums	Drum Storage, Manufacturing	No







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Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
Petroleum process oil	NA	55 gallon drums	Drum Storage, Maintenance	No
Phenol	800,000 - 1,300,000 lbs.	6,000-gallon aboveground storage tank	Tank Farm (AOC 1D), Hazardous Waste Storage Area (AOC 7B), Building 1C	No
Phthalic anhydride	NA	NA	NA	No
Potassium hydroxide	NA	6,000-gallon aboveground storage tank	Tank Farm (AOC 1B), Building 1C	No
Propargyl alcohol	NA	NA .	NA	No
Resorcinol	NA	30 gallon fiber drums	P&B, Manufacturing, Finished Goods Warehouse	No
Saccharin sodium	NA	NA	NA	No
Silver nitrate	NA	5 gallon fiber drums	Manufacturing, Finished Goods Warehouse	No
Sodium hydroxide	NA	2,500-gallon aboveground storage tank 55 gallon drums	Tank Farm (AOC 1H), Plant-Wide	No
Styrene	NA	NA	NA	No
Sulfuric acid	60,000 - 70,000 lbs.	30 gallon drums carboy drums	Drum Storage, Manufacturing	No
Terephthalic acid	NA	NA	NA	No
Toluene	NA	NA	NA	No
1,1,1- Trichloroethane	NA	NA	NA	No
Trivalent chromium oxide	NA	NA	NA	No
Vanadium	NA	NA	NA	No
Xylene	NA	cans	Lab	No







Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
2,6-Xylidine	15,000 - 32,000 lbs.	55 gallon drums	Drum Storage, Manufacturing	No
Zinc	NA	55 gallon drums; bottles	Manufacturing, Lab, Finished Goods Warehouse; Building 1C	No
Zinc Bacitracin	NA	55 gallon drums	Finished Goods Warehouse	No
Asbestos abatement waste	NA	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Off-spec products	1,000 - 8,000 lbs.	NA	Hazardous Waste Storage Area (AOC 78)	No
Oil-contaminated solids	1,950 lbs.	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Spent methanol/ toluene solvent	55 gallons	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste alcohols from discontinued operations	4,500 gallons	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste ethyl acetate	275 gallons	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste heptane or heptane/ heptanol solvent	100 - 800 gallons	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste methanol	8,027 gallons	NA	Hazardous Waste Storage Area (AOC 7B)	No
Waste methylene chloride	8,100 - 19,500 lbs.	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste parts cleaning solvent (monoethanol-amine)	36 lbs.	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No









Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
Waste petroleum naphtha (parts cleaning)	300 lbs.	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste resorcinol	270 lbs.	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste sodium cyanide	100 lbs.	NA	Hazardous Waste Storage Area (AOC 7B)	No
Waste 1,1,1- trichloroethane	550 gallons	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No





# ATTACHMENT 4 Summary of Wastewater Discharges



#### **ATTACHMENT 4**

Summary of Wastewater Discharges of Sanitary and/or Industrial Waste and/or Sanitary Sludges

Detailed information on discharges prior to Napp's presence on the site was not available. However, information provided in the 1953 Borough of Lodi Annual Report indicates that the Lodi sewer system, which was installed in 1916, was expanded in 1930, specifically to handle the volume of water discharged by United Piece and Dye Works (the occupant of the subject site at the time). Therefore, it can be inferred that the site was hooked into the municipal sewer system as early as 1930 and probably as early as 1916. The Lodi system pumped from Lodi to Wallington, then directly to PVSC.





ATTACHMENT 5A-5F

Area of Concern Narrative



#### ATTACHMENT 5A - 5F

The Napp Technologies facility ceased operation on April 21, 1995. All detail regarding relevant potential areas of concern (AOCs) prepared for this Preliminary Assessment Form has been provided based upon Napp facility operations prior to this date.

Based on several site inspections and review of historical information related to Napp operations, a sampling strategy has been developed for this site. This strategy was developed to: (1) remove residue remaining at the facility (ie. materials in trenches, pits, sumps, process lines, etc.); (2) collect waste classification samples of these materials for proper disposal; (3) inspect structures (as feasible) for structural integrity to evaluate the potential release of materials to the environment; and (4) in areas where the structural integrity is observed to be poor, collection of additional samples of residue to be used to establish "target compounds" for further investigation. Subsequent to establishment of a "target compound list" (eg. concentrations of contaminants that exceed applicable NJDEP Soil Cleanup Criteria, etc.), additional environmental samples will be collected and analyzed for the established target compounds to assess potential impacts to the environment.

A. Bulk storage tanks and appurtenances, including, without limitation:

#### Aboveground Tanks and Associated Piping -

A total of 14 aboveground tanks have been identified as currently or previously present on site for bulk storage of materials associated with manufacturing processes or the facility effluent treatment system. These are denoted as AOCs 1A - 1N on the attached site plan. Each of these storage tank capacities, most recent material stored, and method of secondary containment is summarized below:



- AOC 1A 6,000-gallon methanol tank; poured, fibrated concrete secondary containment basin; shares containment with AOC 1B.
- AOC 1B 6,000-gallon potassium hydroxide tank; poured, fibrated concrete secondary containment; shares containment with AOC 1A.
- AOC 1C 3,000-gallons iso-propyl/n-propyl alcohol tank; poured concrete secondary containment.
- AOC 1D 6,000-gallons phenol tank; poured concrete secondary containment.
- AOC 1E 32-ton carbon dioxide tank (leased); concrete walls with gravel base; removed in 1994.
- AOC 1F 2,000-gallon iso-propyl alcohol tank; removed from site by 1976; detail of previous secondary containment is unknown.
- AOC 1G 8,000-gallon fiberglass hydrochloric acid tank; poured concrete secondary containment (epoxy coated).
- AOC 1H 2,500-gallon sodium hydroxide tank; poured concrete secondary containment with an impermeable liner.
- AOC 1I 5,000-gallon raised tank for process wastewater; no containment basin; located on a concrete pad.
- AOC 1J approximately 5,000-gallon fiberglass tank used to hold process wastewater during overflow conditions; no containment basin; located in paved area.
- AOC 1K 10,000-gallon stainless steel tank, used for recirculation of non-contact cooling water; concrete base with curbing; shares containment with AOC 1L.
- AOC 1L 4,000-gallon fiberglass tank for non-contact cooling water; concrete base with curbing; shares containment with AOC 1K.
- AOC 1M 10,000-gallon tank used as a head tank for storage of city water; removed from facility.
- AOC 1N 1,000-gallon No. 2 fuel oil tank; concrete block secondary containment.



The status of each of these tanks is discussed below.

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AOC 1A: This 6,000-gallon tank is located to the west of the Chemical Manufacturing Building and was most recently used for storage of methanol. This tank was constructed prior to 1971. Between 1973 and 1983, the tank was used for storage of fuel oil (unknown type), sulfuric acid, and isopropyl alcohol. The tank currently shares a concrete secondary containment system with AOC 1B. The previous containment history of AOC 1A is unknown, but secondary containment for AOC 1B was constructed in 1977. Therefore, it is likely that AOC 1A was also without secondary containment until that time. The area is believed to have been paved prior to that time, but the conditions of the pavement is not known. As required under N.J.A.C. 7:26E-3.9(a)2.ii, sampling is proposed beneath the secondary containment basin. The containment system drains directly into a pipeline which is connected to the facility effluent treatment system. Therefore, no sampling is proposed at this discharge point. Product piping from this tank into the manufacturing building was aboveground and crossed a paved parking area. There have been no reported releases of hazardous materials and there is no visual evidence of any releases from this piping system. Therefore, no sampling of the paved area below the piping is proposed.

AOC 1B: This 6,000-gallon tank is located to the west of the Chemical Manufacturing Building and was most recently used for storage of potassium hydroxide. This tank was constructed prior to 1971 and was taken out of service in approximately 1993. All hazardous materials were removed and product piping systems were disconnected and blank-flanged. Throughout its history, the tank has also been used for storage of aqua ammonia, ethyl acetate, and oil (unknown type) and was likely used as a fuel tank prior to 1983. The tank currently shares a concrete secondary containment system with AOC 1A. This tank did not have secondary containment until 1977. The area is believed to have been paved prior to that time, but the conditions of the pavement is not known. As required under N.J.A.C. 7:26E-3.9(a)2.ii, sampling is proposed beneath the secondary containment basin. The containment system flows directly into a pipeline which is connected to the facility effluent treatment system. Therefore, no sampling is proposed at this discharge point. Product piping from this tank into the manufacturing building was aboveground and crossed a paved parking area. There have been no reported releases of hazardous materials and there is no visual evidence of any releases from these product piping systems. Therefore, no sampling of the paved area below the pipeline is proposed.



AOC 1C: This 3,000-gallon tank is located to the west of the Chemical Manufacturing Building and was most recently used for storage of isopropyl/n-propyl alcohol. This tank was constructed prior to 1971, and was previously used for storage of methanol. The tank is currently equipped with a concrete secondary containment system which was constructed in 1976. The tank was previously uncontained. The area is believed to have been paved prior to that time, but the conditions of the pavement is not known. As required under N.J.A.C. 7:26E-3.9(a)2.ii, sampling is proposed beneath the secondary containment basin. The containment system drainage flows directly into a pipeline which is connected to the effluent treatment system. Therefore, no sampling is proposed at this discharge point. Product piping from this tank into the manufacturing building was aboveground and crossed a paved parking area. There have been no reported releases of hazardous materials and there is no visual evidence of any releases from these product piping systems. Therefore, no sampling of the paved area below the pipeline is proposed.

AOC 1D: This 6,000-gallon tank was located to the west of the Chemical Manufacturing Building and was most recently used for storage of phenol. The tank was installed in 1984, with a concrete secondary containment system, and was removed from service in approximately 1993. All hazardous material was removed and product piping was disconnected and blank-flanged. The containment system does not have any large cracks through which a discharge could be presumed to have migrated. The drainage from this system flows into a pipeline which is connected to the facility effluent treatment system. In accordance with N.J.A.C. 7:26E-3.9(a)2.ii, since containment was present over the life of the tank, no sampling is proposed for this tank system. Product piping from this tank into the manufacturing building was aboveground and crossed a paved parking area. There have been no reported releases of hazardous materials and there is no visual evidence of any releases from these product piping systems. Therefore, no sampling of the paved area below the pipeline is proposed.



AOC 1E: This tank was located to the west of the Chemical Manufacturing Building and was used for storage of up to 32 tons of carbon dioxide. The tank was a leased structure and was located within a

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gravel-lined basin with concrete walls. This tank was removed in late 1994. Any potential release from this tank or associated product piping would have been in a gaseous state, and would not have impacted site soils or groundwater. Therefore, no sampling is proposed in relation to this tank.

AOC 1F: This 2,000-gallon tank was located to the west of the Chemical Manufacturing Building and was used for storage of isopropyl alcohol. The tank, which was constructed prior to 1971, was removed from the site prior to 1978. No information is available regarding the containment status of this tank or the presence of pavement beneath the tank. Therefore, as required under N.J.A.C. 7:26E-3.9(a)2.ii, sampling is proposed beneath the location of the former tank.

AOC 1G: This 8,000-gallon tank is located to the west of the Chemical Manufacturing Building and was used for storage of hydrochloric acid for wastewater treatment. The tank, constructed of fiberglass reinforced plastic (FRP), was installed in 1988 and replaced a 5,000 gallon tank that was installed in 1971. At that time the 5,000 gallon tank became part of the facility wastewater treatment system as discussed below.

The 8,000 gallon tank is currently equipped with a concrete secondary containment system with impervious liner (epoxy coating). The containment area contained ponded water at the time of the inspection; therefore, the integrity of the containment area could not be determined. However, this containment system was in place when Napp began operations in 1970, and facility personnel indicated that there is no history of releases from this system. Therefore, in accordance with N.J.A.C. 7:26E-3.9(a)2.ii, since pavement was present over the life of the tank during Napp operations, no sampling is proposed at this tank location. The containment system drains directly into a pipeline which is connected to the facility effluent treatment system. No sampling is proposed at this discharge point. Product piping for this tank was aboveground and entered the effluent treatment pit directly. This product piping crossed the secondary containment systems for the bulk storage tanks. Spills or leaks from this product piping would have been collected and discharged to the effluent treatment system. No sampling of the paved area below the piping is proposed.



AOC 1H: This 2,500-gallon tank is located to the west of the Chemical Manufacturing Building and was used for storage of 50% sodium hydroxide solution for wastewater treatment. The tank, constructed of carbon steel, was installed in 1992. The tank is currently equipped with a concrete secondary containment system. This tank replaced an older tank, which was constructed in 1971. According to Napp personnel, this tank was equipped with secondary containment which was constructed in 1977. Prior to that time, this tank was uncontained. The area is believed to have been paved prior to that time, but the conditions of the pavement is not known. As required under N.J.A.C. 7:26E-3.9, sampling is proposed beneath the secondary containment basin. The containment system drainage flows directly into a pipeline which is connected to the facility effluent treatment system. Therefore, no sampling is proposed at this discharge point. Product piping for this tank was aboveground and entered the effluent treatment pit directly. This piping crossed the secondary containment systems for the bulk storage tanks. Spills or leaks from this piping would have been collected and discharged to the effluent treatment system. No sampling is proposed beneath this piping.

AOCs 1I & 1J: The effluent treatment system consists of two aboveground tanks located to the west of the Chemical Manufacturing Building, each approximately 5,000 gallons, which were used to contain process wastewater. As discussed above AOC 1G), one of these tanks was previously used to store hydrochloric acid. Since most materials used at Napp were non-hazardous, it can be assumed that wastewater discharged to the effluent treatment system and PVSC was also non-hazardous and was not expected to contain significant concentrations of contaminants. Wastewater pretreatment was limited to pH neutralization. AOC 1I is situated on a concrete pad which was constructed in 1976. AOC 1J served as an overflow tank. Secondary containment was not provided for this tank. However, this system was generally kept empty and was located within a paved area of the facility. Since these tanks are not believed to have contained hazardous materials, except in very diluted quantities, and there is no evidence that a discharge has occurred, no sampling is proposed, in accordance with N.J.A.C. 7:26E-3.9(e)2.



AOCs 1K & 1L: Two aboveground storage tanks located to the north of the boiler room were also used as part of the facility's non-contact cooling water recirculation system. AOC 1K, a 10,000-gallon stainless steel



tank, was the recirculating, non-contact cooling water tank and was installed prior to 1977. According to a sketch provided by Napp to the Lodi Building Inspector, this tank was previously used for storage of an unspecified hazardous liquid. The actual former contents could not be verified by Napp personnel. AOC 1L is an approximately 4,000-gallon fiberglass tank which was used to store non-contact recirculating chilled water and was installed in 1979. Both tanks are located on a common concrete base which has a 6 - 8 inch curb. The surrounding courtyard is also paved. Condensate from these tanks or the cooling tower, also located in this area, discharged into one catch basin which is connected to the process wastewater collection system of Building #5 (see Map P-1, "Process Drain Schematic"). In accordance with N.J.A.C. 7:26E-3.9(a)2.ii, since the area beneath the tanks is paved, and there is no evidence that a discharge has occurred, no sampling is proposed.

AOC 1M: This 10,000-gallon tank was located on a rack above AOC 1K and was used as a head tank for storage of city water. This tank was removed from the site in 1983. In accordance with N.J.A.C. 7:26E-3.9(a)1.ii, since the tank did not contain hazardous materials, no sampling is proposed.

AOC 1N: A 1,000-gallon No. 2 fuel oil tank is located in the exterior maintenance and storage area to the west of the leased warehouse space. This tank is identified as AOC 1N on the attached site map. According to facility personnel this tank is owned by the landlord, Fortunato, but was used periodically by Napp to fuel a rented compressor unit, AOC 12C and heat the leased warehouse space. A concrete block containment basin was provided for this tank, and was then backfilled with sand. This tank is an aboveground unit; however, the base of its containment basin can not be observed, due to the presence of the tank and accumulated debris. The condition of the exterior of this basin appears good, however, the interior and base cannot be observed. Minor spills are known have occurred into the sand within this containment basin. In accordance with N.J.A.C. 7:26E-3.9(a)1, since the base of the containment system cannot be observed, the sand surrounding the tank will be sampled for waste characterization and properly disposed, and the integrity of the containment system will be evaluated.



#### Above or Below Ground Pump Stations -

All underground collection units and piping systems utilized at the facility were associated with the process wastewater collection and effluent treatment system. This system was operated in compliance with a Sewer Connection Permit, Permit Number 17401142, from the Passaic Valley Sewerage Commissioners (PVSC). Treatment operations consisted solely of pH adjustment of process wastewaters from manufacturing and material storage and transfer areas prior to discharge to PVSC. Wastewaters discharged to this system included the following:

- boiler blowdown;
- compressor condensate;
- storm water runoff from drum storage pad and hazardous waste storage area;
- floor wash water from manufacturing and processing areas;
- wash water from equipment changeouts discharged to trench drains in manufacturing and processing areas;
- condensate from facility non-contact recirculation system; and
- spills and leaks from manufacturing and processing areas of the facility.

which were used for collection and pH adjustment of process waste waters collected throughout the manufacturing and processing areas. Map P-1, "Process Drain Schematic", illustrates the location of process trench drains which discharged to these collection systems. Waste water flowed via a series of six below ground pump stations. These pump stations are identified on the attached site map as AOCs 3A - 3F. These pump stations discharge to a catch basin and weir and then to two pits (see narrative, "Pits"). Construction details for each pump station were not available. However, according to Napp personnel, Pump Stations #1 (AOC 3A) and #2 (AOC 3B) consist of a 500-gallon and 400-gallon fiberglass reinforced plastic (FRP) lined concrete vault, respectively, Pump Station #3 (AOC 3C) consists of a 20-gallon clay pipe sump, Pump Station #4 (AOC 3D) consists of a 150 gallon concrete catch basin and Pump Station #6 (AOC

The facility effluent treatment system consisted of a series of flow-through process tanks and transfer pits





3F) consists of a 700 gallon concrete vault. Piping systems from the manufacturing building to the pump stations are underground and are constructed of a variety of materials, including PVC, FRP, steel lined with polypropylene, and stainless steel set in concrete. These piping systems were compatible with the type of process wastewater collected and discharged from manufacturing and processing areas. Underground piping located within the manufacturing building is constructed of fiberglass or FRP. Map P-1, "Process Drain Schematic", illustrates these piping systems. The existing piping systems were constructed and installed between 1981 and 1990. The pump stations were also FRP lined during that time period.

As mentioned above, the material passing through these systems includes wastewaters generated from floor washing, equipment cleanouts, runoff from storage or transfer areas, or small spills or leaks from manufacturing or processing areas. Since most materials used at the Napp site were non-hazardous, process wastewater discharged to the facility effluent treatment system and to PVSC can also be expected to be non-hazardous and was not expected to contain significant concentrations of contaminants. Wastewater pretreatment was limited to pH neutralization. During facility closure, the pump stations will be cleaned out and inspected, and the integrity will be documented, in accordance with N.J.A.C. 7:26E-3.9(e)3.i. Residual material from the units will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. No other sampling is proposed at this time, pending results of investigations in AOCs 4A/4B, 4F, and 10, which are intended to investigate the integrity of the original effluent collection/drain system.

#### Sumps -



There are several sumps located at the Napp facility and the adjacent leased warehouse space utilized by Napp. These sumps were associated with collection of process wastewater. These are denoted on the attached Figure 1, as AOCs 4A - 4F. Each of the systems was used to collect process wastewater and discharged to the facility effluent treatment system.

Process wastewater drains and piping from the P & B processing area entered one of two sumps located at the south end of the manufacturing building, identified as AOCs 4A and 4B on Map P-1, "Process Drain Schematic". Wastewater flowed from these systems to Pump Station #1, AOC 3A, where it entered overhead piping and the pump station system for discharge to the effluent treatment system. AOCs 4A and 4B accumulation points were constructed of concrete and were installed during the 1981-1990 period. Based upon information provided by Napp personnel, the integrity of these sumps is believed to be good and sampling beneath the sumps is not proposed. However, no information was available regarding the integrity of the sumps previously present in these areas. Additionally, during installation of new piping in this area, PCB-contaminated soil was encountered, as discussed in Attachment 9E. accordance with N.J.A.C. 7:26E-3.9(e)3.i, during facility closure, the sumps will be cleaned out and inspected, and the integrity will be documented. Residual material from the sumps will be analyzed for waste classification purposes. In addition, one boring will be advanced adjacent to a wastewater drain entering either AOC 4A or 4B, and a soil sample will be collected and analyzed for the full scan of hazardous constituents believed to have been present on site. The intent of this boring will be to investigate the potential for leaks from the original, unlined collection system as well as to address the previously identified PCB contamination.



AOCs 4C - 4E are concrete sumps located within the warehouse space leased from Fortunato by Napp Technologies. According to Napp personnel, these sumps were either installed or lined during the 1981-1990 period. Napp personnel indicated that the integrity of these sumps is good. This warehouse was used for storage of finished goods; no manufacturing operations were conducted here. Only non-flammable materials were permitted to be stored here. Since most materials stored in this area were non-hazardous, any spills of material which may have entered these sumps as floor washings can also be presumed to be non-hazardous and were not expected to contain significant concentrations of contaminants. There were no recorded spills in this area. However, in accordance with N.J.A.C. 7:26E-3.9(e)3.i, during facility closure, the sumps will be cleaned out and inspected, and the integrity will be documented. Residual material from the sumps will be analyzed for waste classification purposes. If the integrity is questionable, the residual

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material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. No other sampling is proposed at this time, pending results of investigations in AOCs 4A/4B, 4F, and 10, which will be intended to investigate the integrity of the original effluent collection/drain system.

AOC 4F consists of a concrete epoxy lined basin with a weir which directed process wastewater collected from the manufacturing buildings to the 500-gallon pit, AOC 5A. According to Napp personnel, this basin was either installed or lined during the 1981-1990 period. Also located here is a truck unloading area. Approximately once annually hexamethylene diamine was loaded from tank trucks at this point directly into holding vessels located in Building #5. Tank trucks were parked within the paved area of the facility. Any spills or leaks from hose connections at this loading point entered the catch basin and were ultimately discharged to the facility effluent treatment system. Solid material has precipitated along the base and sides of this basin. In accordance with N.J.A.C. 7:26E-3.9(e)3.i, during facility closure, the sump will be cleaned out and inspected, and the integrity will be documented. Residual material from the sump will be analyzed for waste classification purposes. Additionally, one boring will be advanced adjacent to the sump, and a soil sample will be collected analyzed for the full scan of hazardous constituents believed to have been present on site. The intent of this boring will be to investigate the potential for leaks from the original, unlined collection system.

# Pits -

AOCs 5A and 5B were concrete pits associated with final collection and treatment of process wastewater within the facility effluent treatment system. AOC 5A is a 500-gallon pit which received all process wastewater from the manufacturing facility via gravity flow from an adjacent concrete basin and weir structure (described as AOC 4F). Process wastewater then flowed by gravity to the 1,000-gallon effluent treatment pit, AOC 5B, where it was monitored and treated for discharge to PVSC. The 500-gallon and 1,000-gallon pit were constructed after 1981 when the facility began pretreatment of its process wastewater. It is our understanding that these structures were original, and did not replace or upgrade other collection pits. Each of the collection tanks and pits consists of a concrete pipe with a poured concrete base which has been lined using a smaller fiberglass reinforced plastic (FRP) pipe. The gap space between the concrete and FRP pipe was filled with grout. Piping to these systems was underground and was described in the previous narrative, "Above or Below Ground Pump Stations". Since most of the materials used at the Napp site were non-hazardous, process wastewater discharged from manufacturing areas of the facility and entering these pits can also be expected to be non-hazardous and was not expected to contain significant concentrations of contaminants. Our belief that the wastewater is not a concern is strengthened by the fact that sludges from the 1,000-gallon effluent treatment pit have historically been tested and disposed as nonhazardous waste. In accordance with N.J.A.C. 7:26E-3.9(e)3.i, during facility closure, the pits will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, residual material from the pits will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site.

AOC 5C is a concrete-lined pit located to the east of the hazardous waste storage area, AOC 7B. Several pipes were observed in this pit. According to Napp personnel, this pit is believed to have been a prior part of the effluent system leading to PVSC. Based upon this information, it appears unlikely that this pit was an upgrade or replacement for a preexisting system. In accordance with N.J.A.C. 7:26E-3.9(e)3.i, during facility closure, the pit will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, residual material from the pit will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. Subsequent to removal of material from this pit, dye testing will be conducted to confirm this manhole connects to PVSC.

AOCs 5D - 5I are underground pits, believed to be access to utilities. There is no information to suggest that these pits were upgrades or replacements for preexisting units. Material contained in the pits was sampled for waste classification purposes. In each case, the materials were found to be nonhazardous. However, in accordance with N.J.A.C. 7:26E-3.9(f), during facility closure, the pits system will be cleaned



out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, no further sampling will be conducted at these locations. If the integrity is questionable, residual material from the pits will be analyzed for the full scan of hazardous constituents believed to have been present on site.

AOCs 5J and 5K appear to be brick-lined pits, referred to also as Manhole #4 and Manhole #8, respectively. The usage of these pits is unknown. There is no information to suggest that these pits were upgrades or replacements for preexisting units. The pits were cleaned out and material removed was sampled for waste classification purposes. The residue from the two pits contained total petroleum hydrocarbon (TPHC) concentrations of 5,000 and 41,800 parts per million (ppm). Based upon visual inspection, the integrity of AOC 5J appeared to be good. The integrity of AOC 5K could not be verified, due to the presence of a large, concrete-like obstruction. This concrete-like material was subsequently removed. Observations subsequent to removing the residue from this pit indicate additional accumulation of material likely contaminated with petroleum. It is believed that this material may be coming from the machine shop area. The machine shop area is covered with debris from the explosion and was not further investigated at this time. In accordance with N.J.A.C. 7:26E-3.9(d)1.iii, during facility closure, the pits will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, no further sampling will be conducted at these locations. If the integrity is questionable, residual material from the pits will be analyzed for the full scan of hazardous constituents believed to have been present on site.

# Rail/Truck Loading and Unloading Areas -

Raw materials and finished products were not loaded/unloaded to/from rail cars. However, there were three truck loading/unloading areas at the facility, as denoted by AOCs 6A - 6C on the attached site map.



AOC 6A is a covered loading dock located on the northwest side of the manufacturing building. This area was used for loading and unloading of raw materials, generally in 55-gallon or less quantities. The loading ramp and loading dock are constructed of concrete. A trench drain is located at the base of the loading ramp and is discussed below in the narrative, "Floor Drains or Trenches and Piping". The integrity of the loading ramp was inspected and several cracks were observed. However, there is no evidence or record of any discharges in this area. Based upon visual observation, the loading dock is in fair condition and is not surrounded by soil. In accordance with N.J.A.C. 7:26E-3.9(a)6, no sampling is proposed for this area.

AOC 6B is a truck unloading area for the aboveground storage tanks. The base and curbs for this area are asphalt. The area was resurfaced in 1984-1985. Curbing is provided on three sides. The area slopes towards the front of this area where a trench drain was installed. Spills, leaks, and stormwater accumulation from this area were discharged to the facility effluent treatment system. The asphalt paving in this area appears to be in good condition and is not surrounded by soil. In accordance with N.J.A.C. 7:26E-3.9(b)1, no sampling is proposed for this structure.

AOC 6C, a truck unloading area for hexamethylene diamine to reactor vessels located in Building #5, is located at AOC 4F. No additional sampling of this area will be proposed, other than that discussed above for AOC 4F.

# Storage Pads and Areas Including Drum and/or Waste Storage -

55-gallon drums and steel tote containers of hazardous and non-hazardous raw materials, and empty containers, were stored on the west side of the manufacturing building within an uncovered, asphalt paved area. This area is identified as AOC 7A on the attached site map. Based upon a review of aerial surveys for the site, this area was paved after 1971. Aerial photographs before this date indicate that this portion of the current site was unpaved and may have been used as an access roadway by the previous facility owners, or other adjacent industries. A 1974 survey indicates that the area was partially paved by this time, and used to store material containers. The current drum storage area is approximately 5,740 square feet and is surrounded on the west and south sides by a 6 - 8 inch formed asphalt curb. The asphalt base of the area was resurfaced in 1993 and appears to be in good condition. Drainage from the drum storage area entered a trench drain and catch basin which reportedly discharged to the effluent treatment system. This





drainage collection system was installed in 1992 and appears to be in good condition. The existing drainage system replaced a catch basin which was installed in the mid 1980s, and was piped to the PVSC system. In accordance with N.J.A.C. 7:26E-3.9(d)4, since the status of the drainage system prior to the 1980s is not known, sampling will be conducted beneath the existing drainage system. Potential impacts from previous material storage activities are unknown. In accordance with N.J.A.C. 7:26E-3.9(b)1, samples will be collected beneath the asphalt pavement within this area.

The facility hazardous waste accumulation area was located to the east of the raw material storage area. This area, identified as AOC 7B on the site map, was segregated within an enclosed fence. The area was not curbed. However, the paved area was sloped so that drainage also entered the trench drain and discharged to the facility effluent treatment system. The integrity of the pavement in this area is in fair condition. There is no evidence of a discharge from this area and the storage area is not surrounded by soil. Therefore, in accordance with N.J.A.C. 7:26E-3.9(b)1, no sampling is proposed.

# **Dumpsters** -

One dumpster, approximately 30 cubic feet capacity, was used at the facility for collection of general trash. This dumpster was located on the southwest side of the manufacturing building, adjacent to the fire pumphouse, as denoted by AOC 8A on the attached site plan. The dumpster was stored on a concrete pad. This pad is surrounded by a concrete curb and stormwater discharged to PVSC. The dumpster was not used for storage of hazardous or industrial wastes. Due to the low potential for contamination from this unit, sampling of this area is not proposed.



# Chemical Storage Cabinets or Closets -

Only one flammable storage cabinet was maintained outside the manufacturing building. This unit was located on the northwest side of the building, as denoted by AOC 9A on the site map. The cabinet was kept within the paved area of the facility. This flammable cabinet was typically used to store propane cylinders. Spills or leaks of material from this cabinet would have been in the gaseous state, and would not have impacted site soils or groundwater. Therefore, contamination of this area is not anticipated and sampling is not proposed.

# Floor Drains or Trenches -

Map P-1, "Process Drain Diagram", illustrates the location of existing floor trenches and drains located within the manufacturing, P & B, warehouse and laboratory/office areas of the facility. Almost the entire effluent collection system was upgraded during the period from 1981-1992. At some locations, the new system components (pre-cast trenches, piping, catch basins, etc.) were installed into the pre-existing brick-lined trenches, which date back to the time of the site's ownership by United Piece and Dye Works. During this reconstruction period, Napp personnel were not aware of any discharges from the existing system.

Manufacturing Area - In general, hazardous materials were not stored in the manufacturing process areas. Materials were transferred to these areas as needed from bulk storage tanks or the drum storage area. All vessels operated in these areas were flow through process containers. Spills or leaks from these process vessels, or those that occurred during transfer of materials, entered the floor trenches within the process area. The floors of the process area were graded so that spilled materials entered these trenches. These trenches were connected by vinyl ester resin underground piping to the process wastewater collection system and discharged to the facility's effluent treatment system.



Warehouse and Laboratory/Office Area - The trenching system visible today is a pre-cast polyester concrete system that was installed in the pre-existing brick-lined trenches. The water eventually flowed into a vinyl ester resin collection sump, and was pumped out through overhead piping. This work was done in approximately 1992.



P&B Area - The wash water collection system in this area consisted of a below grade, concrete encased stainless steel main running the length of the hallway. Each of the individual operating rooms had a catch basin and stainless steel trap/piping tying into the main. Most of this system was installed in new excavations.

Based upon waste analyses conducted on residual materials found in these trenches following the recent fire/explosion at the facility, these materials were classified and disposed as non-hazardous waste. In accordance with N.J.A.C. 7:26E-3.9(d)1, during facility closure, the trenches will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, no further sampling will be conducted. If the integrity is questionable, the residual material will be analyzed for the full scan of hazardous constituents believed to have been present on site. In order to investigate the potential for a release from the pre-1981 system, one boring will be advanced adjacent to an underground effluent line located to the west of Building 1C. One soil sample will be collected and analyzed for the full scan of hazardous constituents believed to have been present on site.

AOC 10A consists of a trench drain located between the fire pumphouse and trash dumpster. This drain received runoff from the paved employee parking area, located on the southwest side of the facility. Accumulated wastewater entered the process wastewater collection system piping and flowed to the sumps located in the P&B area, identified as AOCs 4A and 4B, and ultimately discharged to the facility effluent treatment system. Visual inspections of this trench drain indicated that its integrity was good. Therefore, in accordance with N.J.A.C. 7:26E-3.9(d)1, no sampling is proposed aside from waste classification of any residual materials found in the system, and the integrity of the system will be documented. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. No other sampling is proposed at this time, pending results of investigations in AOCs 4A/4B, 4F, and 10 (described above), which will be intended to investigate the integrity of the original effluent collection/drain system.



AOC 10B denotes a trench drain located in the covered loading dock on the northwest side of the manufacturing building. This area was used for loading and unloading of raw materials, generally in 55-gallon or less quantities. The drain is located at the base of the loading ramp which has a steep downgrade. The trench was equipped with a sump pump for removal of storm water. Storm water runoff was visually inspected for contamination and then pumped into the paved parking area located in the northwest corner of the property. The integrity of this drain and the loading ramp were not determined, as significant volumes of stormwater and fire water have accumulated in this area. Samples of the storm water taken June 30, 1995 were found to be non-hazardous. However, in accordance with N.J.A.C. 7:26E-3.9(d)1, during facility closure, the drain will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, residual material from the drain will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. No other sampling is proposed at this time, pending results of investigations in AOCs 4A/4B, 4F, and 10 (described above), which will be intended to investigate the integrity of the original effluent collection/drain system.

AOC 10C is a trench drain located in the tank truck unloading area for the bulk storage tanks. The tank truck unloading area is paved and curbed. Stormwater accumulation and spills or leaks occurring during material transfer were collected in this drain and discharged to the effluent treatment system. The integrity of this structure is believed to be good. In accordance with N.J.A.C. 7:26E-3.9(d)1, during facility closure, the drain will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, residual material from the drain will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. No other sampling is proposed at this time, pending results of investigations in AOCs 4A/4B, 4F, and 10 (described above), which will be intended to investigate the integrity of the original effluent collection/drain system.



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# Process Area Sinks and Piping Which Receive Process Waste -

There were no process area sinks located in the manufacturing building. Mixing and blending operations were conducted directly within process vessels or reactor units. Spills or leaks from material transfer or processing activities entered the process wastewater collection system and discharged to the facility effluent treatment system, as detailed in the previous narrative, "Floor Drains or Trenches and Piping".

One maintenance sink was located in the boiler room, AOC 17A as discussed in a later narrative. This sink discharged to the trench drain in the boiler room and then to PVSC. In accordance with N.J.A.C. 7:26E-3.9(f), since there is no potential for contamination relative to this sink, no sampling of this area is proposed.

# Roof Leaders When Process Operations Vent to Roof -

In general, roof leaders discharged to the paved areas of the facility property. Roof runoff at the facility entered the storm water collection system as overland flow and was discharged to the Saddle River. The facility was authorized to discharge stormwater in accordance with the NJDEP General Industrial Stormwater Permit, Permit #NJ0088315, August 16, 1993. Map P-2, "Storm Drain Diagram", illustrates the facility stormwater collection and discharge system. There was one stormwater discharge point to the Saddle River located adjacent to the parking area in the northwest corner of the property.

Emissions from process operations which were vented to the atmosphere were first directed to air emissions control equipment. The facility had received several Certificates to Operate these air emissions control equipment. Therefore, contaminated emissions were controlled prior to being vented to the atmosphere. Discharges through roof leaders to the stormwater collection system were not expected to be impacted by these process emissions. However, as a precautionary measure, the roof drains from the manufacturing buildings tied-in to the facility process drainage system. Therefore, in accordance with N.J.A.C. 7:26E-3.9(d)2, no sampling of facility roof leaders is proposed.



# Storm Sewer Collection Systems -

Map P-2, "Storm Drain Diagram", illustrates the facility stormwater collection and discharge system. This system consisted of two catch basins located in the northwest corner of the facility and buried piping to the facility outfall at the Saddle River. Stormwater from raw material and waste storage areas located outside the manufacturing building did not enter this collection system; these were contained via berms, curbs or grading of the area so as to be discharged to the facility effluent treatment system. Discharges from all other paved areas of the property to the south and east enter this collection system as overland flow, which is believed to contain only non-contaminated stormwater. There is no history of releases of hazardous materials or wastes to the stormwater collection system. However, during the fire and explosion it is expected that unknown materials entered this system. Therefore, in accordance with N.J.A.C. 7:26E-3.9(d)4.i, during facility closure, the system will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, residual material from the system will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. Future investigative activities will be dependent upon the results obtained from these inspections and/or analyses.

# Dry Wells -

There were two dry wells located at the facility, identified as AOCs 11A and 11B on the attached site map. Both of these systems were replaced in 1992, as discussed below.



AOC 11A was located on the west side of the facility. This area was historically used for storage of raw material and waste drums or portable containers. The dry well was utilized for collection of stormwater runoff from the storage area. This system was replaced when the current trench drain and catch basin were installed in the mid 1980's and replaced in 1992. After that time, all runoff from the area was collected and discharged to the facility effluent treatment system.



AOC 11B was located in the courtyard area to the east of Buildings #3 and #5. This dry well was utilized for collection of stormwater from this area. A drum transfer area for materials to be added to the reaction processes was present here, as well as two 10,000-gallon aboveground storage tanks, reportedly used for storage of cooling water. In approximately 1977, the aboveground storage tanks were replaced. One of the tanks was converted to use for storage of cooling water for the facility recirculation system. In 1992 the dry well was also replaced with a block lined catch basin. The Courtyard currently pitches to the catch basin, which collects runoff and pumps the runoff to the trench drain in Building No. 5.

No investigative activities were conducted at the time these dry wells were replaced. Therefore, in accordance with N.J.A.C. 7:26E-3.9(e)3.iii, sampling is proposed for these two locations.

# Open Pipe Discharges -

Storm water from the facility was discharged to the Saddle River from a single outfall, located in the northwest corner of the property. This discharge point is denoted as AOC 12A on the site map and consisted of a 8-inch diameter reinforced concrete pipe. Only stormwater expected to be non-contaminated was discharged through this system during normal facility operations. This system was kept closed during non-operating hours at the facility. There is no history of hazardous materials or waste releases or impacts from stormwater discharges from the facility prior to the fire/explosion. However, due to the emergency response activities associated with the fire and explosion, it is possible that contaminated material may have entered the storm sewer system and discharged through the outfall.



In order to determine the potential impact of potentially contaminated firewater and/or other materials potentially discharged into the stream through the outfall, stream and sediment sampling was conducted. Samples of river water were collected at the outfall as well as upstream and downstream of the outfall. Samples were analyzed for volatile organics, base neutral/acid extractable organics, metals, pesticides, and PCBs. In general, concentrations detected in upstream samples were higher than or approximately the same as concentrations detected in downstream samples or at the outfall. These data are presented in Attachment 7.

Additional testing was conducted to determine the potential effect on the river sediments and aquatic life in the river. Sediment samples were collected upstream and downstream of the facility and analyzed for pH, PCBs, TOC, and phenols. No phenols were detected. PCBs were detected upstream of Napp, but not in the downstream sample. These data are presented in Attachment 7. The absence of phenols in the sediment samples is significant for several reasons. First, it is expected that many of the compounds used by Napp would have decomposed to phenols during the April 21, 1995 fire and explosion. The fact that phenols were not detected in the sediment indicates the fire and explosion did not have a long term impact on the river. Secondly, this data also indicates that Napp's direct use of phenol at the site has not impacted the river.

As requested by EPA and NJDEP, toxicological testing was also conducted on the river sediment, including an analysis of benthic macroinvertebrate samples, as well as acute toxicity and chronic toxicity analyses. First, an analysis of benthic macroinvertebrate samples was conducted. This analysis indicated that the density and diversity of organisms were fairly low in both the upstream and downstream samples, and were indicative of historically disturbed systems that receive, or have received, moderate to high levels of pollution. In addition to the benthic analysis, acute toxicity and chronic toxicity analyses of the sediment were conducted. The results of the acute toxicity analysis indicated a survival rate of the test organisms (daphnia magna) of 100% in both the upstream and downstream samples, with no significant differences between the two samples. The results of the chronic toxicity analysis indicated a survival rate of the test organisms (hyalella azteca) of 91% and 88% in the upstream and downstream samples, respectively, both of which were greater than the survival rate of 81% which was observed in the control sample. The results of the environmental and toxicity testing indicate that no adverse chemical or biological effects are observable as a result of a potential release from the Napp facility. The reports summarizing the benthic and toxicity testing are presented in Attachment 7.





In summary, the sample data indicate that river conditions are essentially the same upgradient and downgradient of the Napp site. This indicates that there have been no significant discharges from the facility, either historically or as a result of the fire/explosion, which have adversely affected the environment. Therefore, additional sampling of this open pipe is not proposed.

#### Electrical Transformers and Capacitors -

Electrical service was provided to the facility by Public Service Electric and Gas Company (PSE&G). There were two transformer locations at the facility. These are identified as AOCs 13A and 13B on the attached site map. The utility company removed these units when the facility ceased operation.

Three transformers were located on a common concrete pad on the west side of the manufacturing building, north of the fire pumphouse. These are identified as AOC 13A on the site map. These units were put into service at the facility in 1983. Facility personnel believe that these transformers were not the original units used when the facility began operation in 1970. A sample of the transformer fluid was collected in June 1995 and PCBs were not detected. The area surrounding the concrete pad is gravel covered and unlined. Releases from these units would potentially have impacted the surrounding soil. In accordance with N.J.A.C. 7:26E-3.9(b)1, the soil area surrounding this concrete pad will be sampled.

Another transformer was located outside of the manufacturing building at the southeastern corner, and is identified as AOC 13B. This unit was also located on a concrete pad, and the area surrounding the unit was concrete paved. According to Napp personnel, no evidence of releases from this area have been observed. In accordance with N.J.A.C. 7:26E-3.9(b)1, no sampling of this area is proposed.



Pole-mounted transformers were also located around the facility. These are also owned and maintained by the utility company. These units were not damaged by fire response activities at the facility. No evidence of releases from these pole-mounted units have been observed. In accordance with N.J.A.C. 7:26E-3.9(f), since there is no reason to suspect contamination in this area, no sampling is proposed for these units or the area of the facility surrounding them.

# Underground Piping, Including Industrial Process Sewers -

Buried piping was used for the facility's process wastewater and stormwater collection systems. Design, construction, and operating detail of the facility effluent treatment and process wastewater collection system is described in detail in previous narratives, "Above and Below Ground Pump Stations" and "Storm Sewer Collection Systems". Napp personnel indicated that there have been no releases from these systems. As discussed in previous narratives, since most of the materials used at the Napp site were non-hazardous, process wastewater discharged from manufacturing areas of the facility and entering these piping systems can also be expected to be non-hazardous and was not expected to contain significant concentrations of contaminants. Therefore, sampling of underground piping is not proposed, other than the sampling discussed relative to AOCs 4A/4B, 4F, and 10. Sampling has been proposed in these areas in order to investigate potential releases which may have occurred prior to installation of the existing piping.

# Compressor Vent Discharges -

AOCs 14A - 14C identify the locations of compressor units utilized at the facility. These systems utilize non-contact cooling water which is contained within a closed-loop recirculation system. There were no direct discharges of cooling water from these systems.



AOC 14A identifies the location of four compressor units generally situated in the facility boiler room area. Condensate from these units was released to the concrete floor within the boiler room. Ultimately this material would enter the floor trench located on the south end of this area and discharge to the facility effluent treatment facility. The floor of the boiler room was observed to be stained and cracked. Sampling is proposed beneath this floor.



AOC 14B identifies the location of two compressors for the P&B area of the manufacturing building. These units generated compressed air for use in P & B operations. Condensate from these units entered a floor trench east of their location and was discharged to the effluent treatment facility. There is no reason to believe that this condensate was contaminated. Therefore, in accordance with N.J.A.C. 7:26E-3.9(d)5, since there is no reason to believe a potential contaminant discharge has occurred, sampling is not proposed for this area.

AOC 14C indicates the location where a leased compressor unit was routinely located. No. 2 fuel oil needed to operated this unit was obtained from the 1,000-gallon tank owned by Fortunato and stored in an adjacent maintenance area, AOC 1N on the site map. This compressor is not believed to have generated any contaminated condensate discharges. Condensate from this system discharged to PVSC. Therefore, in accordance with N.J.A.C. 7:26E-3.9(d)5, since there is no reason to believe a potential contaminant discharge has occurred, no sampling is proposed for this area.

# Non-contact Cooling Water Discharges -

During recent operations, the facility did not discharge non-contact cooling water. A closed-loop recirculation system was installed by 1978. This system, identified as AOC 15A on the site map, consisted of 100 and 125 ton cooling towers, an inactive 40 ton cooling tower, a 10,000-gallon cooling water tank, and a 4,000-gallon cooling water tank. Another 100 ton cooling tower (AOC 15B) was mounted on the roof over the P&B area of the manufacturing building. Non-contact cooling waters were utilized for operation of condensers, reactors and compressors associated with manufacturing processes. Prior to this time, once-through non-contact cooling water from these systems was discharged to the facility effluent treatment system via the process wastewater collection system. Design, construction and operation of this process wastewater collection system is detailed in previous narratives. In accordance with N.J.A.C. 7:26E-3.9(f), since there is no potential for a discharge to have occurred, sampling of this non-contact cooling water system is not proposed.

# Discolored Areas or Spill Area -

Discolored soils were noted at a mounded area along the property fenceline on the bank of the Saddle River. The location of this material is noted as AOC 16A on the attached site map. The composition and origin of this material is unknown. In accordance with N.J.A.C. 7:26E-3.9(f), since the potential for contamination exists, sampling of this area is proposed.

#### Active or Inactive Production Wells -

One inactive production well reportedly exists at the Napp facility. The location of this inactive production well is noted as AOC 2A on the attached site map. Napp reportedly never used this well and sealed it several years ago. As a result no sampling is proposed for this AOC.

#### Loading or Transfer Areas (Interior) -

Hazardous materials were transferred to a variety of manufacturing processes throughout the interior of the manufacturing building. Spills or leaks resulting from these activities entered the facility process wastewater collection system and were discharged to the facility effluent treatment system. Design, construction and operation of the facility's process wastewater collection and effluent treatment system are detailed in previous narratives. In accordance with N.J.A.C. 7:26E-3.9(b)1, sampling of these interior loading or transfer areas is not proposed.

# Boiler Rooms -

Boiler blowdown from facility boilers was piped directly into a trench drain located on the south side of the facility boiler room. This drain was part of the facility's process wastewater collection system and was discharged to the effluent treatment system. The facility boiler room is denoted as AOC 17A on the attached



site map. The process wastewater collection system for this area is illustrated on Map P-1, "Process Drain Diagram". The design, construction and operation of this system is detailed in previous narratives. Sampling of this trench drain is not proposed. The floor of the boiler room was observed to be stained and cracked. In accordance with N.J.A.C. 7:26E-3.9(d)5, sampling is proposed beneath this floor, at a cracked location.

# Air Vents and Ducts -

Manufacturing processes which resulted in air contaminant emissions were vented to air pollution control equipment. This equipment, as detailed in the narrative "Roof Leaders When Process Operations Vent to Roof", was permitted. There is no reason to suspect that air vents located in facility manufacturing or processing areas were contaminated. Therefore, in accordance with N.J.A.C. 7:26E-3.9(f), no sampling is proposed for these systems.

The facility utilized a dust collector and baghouse system for manufacturing areas involving solid materials. The dust collector and baghouse were located outside the manufacturing building in the paved area adjacent to the drum storage area. These are denoted as AOC 18A on the site map. Air contaminants from manufacturing areas were transferred to this pollution control equipment via a series of overhead ductwork. There is no reason to suspect that there were any releases from this system. Therefore, in accordance with N.J.A.C. 7:26E-3.9(f), no sampling is proposed for the area surrounding this equipment. During facility closure, this duct work and the air pollution control equipment will be cleaned. Residual material will be sampled and characterized for disposal.

# Hazardous Material Storage or Handling Areas -



Hazardous materials were handled throughout the manufacturing building. Spills or leaks resulting from these activities entered the facility process wastewater collection system and were discharged to the facility effluent treatment system. The process wastewater collection system for this area is illustrated on Map P-1, "Process Drain Diagram". Spills or leaks of materials occurring in these process areas would have been contained within the building. Design, construction and operation of the facility's process wastewater collection and effluent treatment system is detailed in previous narratives. In accordance with N.J.A.C. 7:26E-3.9(b)1, since the areas are completely surrounded by impervious cover, sampling of these interior areas is not proposed.

#### Inconsistent Curbing -

Curbing was installed around the parking area in the northwest corner of the property in 1992. This curbing was noted to have been damaged during fire fighting operations on April 21, 1995. This curbing was noted to have been damaged in the location identified as AOC 20A on the site map. The paved area has been designed to drain to one of two stormwater collection basins for ultimate discharge to the Saddle River. Releases of materials or wastes in this area were prevented from being discharged to this water course by manually controlling a valve in the western catch basin. This valve was only kept open during normal operating hours and was kept closed on weekends. Although the potential exists that contaminated fire water resulting from the facility explosion in April 1995 may have entered this area and discharged through this curbing to the surrounding banks of the Saddle River, no soil discoloration was observed in this area. In accordance with N.J.A.C. 7:26E-3.9(f), no sampling of the river bank immediately behind this area is proposed.



The northwest edge of the adjacent Fortunato property is not contained beyond the paved employee parking lot. This area is indicated as AOC 20B on the site map. Although the potential exists that contaminated fire water resulting from the facility explosion in April 1995 may have entered this area and discharged to the surrounding banks of the Saddle River, no soil discoloration was observed in this area. In accordance with N.J.A.C. 7:26E-3.9(f), no sampling of the river bank behind this area is proposed.



# Pavement Cracks -

In several areas of the facility there were breaches in the site pavement. In accordance with N.J.A.C. 7:26E-3.9(f), sampling is proposed at selected locations to determine if the underlying soil was impacted by fire/explosion response activities at the facility. These are identified as AOCs 21A - 21C.



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# ATTACHMENT 7 Historical Sample Data Summary Toxicological Reports

# 7

#### ATTACHMENT 7

# 7. Historical Data on environmental quality at the Industrial Establishment

Limited sampling data has been collected as part of the ongoing site emergency response. Environmental data collected since the April 1995 fire/explosion includes groundwater, river sediment, river water, and off-site soils. These data are presented and discussed below. Various waste classification samples have been collected throughout the site, but are not presented here. Effluent data was collected during the facility's operation, and also is not presented here. Waste classification and effluent data can be provided upon request.

Groundwater samples were collected by ENSR in May 1995 from four monitoring wells located on the northeast portion of the property. These wells were installed by the adjacent Fine Organics Corporation to monitor the migration of contaminated groundwater from Fine Organics to Napp. As shown on Figure 7-1, the samples indicate the presence of volatile organic compounds, various metals, and PCBs in concentrations above the New Jersey Groundwater Quality Criteria. Groundwater is believed to flow west-southwest towards the Saddle River, generally from Fine Organics toward Napp.

As indicated on Figure 7-2, off-site soil samples were also collected in May 1995, both upgradient and downgradient of the site. The upgradient samples were taken along the edge of the Fine Organics property, and showed no visual evidence of being impacted by the fire/explosion. The downgradient samples were intended to represent "worst case" locations, and were collected from areas that appeared to have been potentially affected by the fire/explosion. Both sets of data indicate the presence of various polyaromatic hydrocarbon compounds above the New Jersey Residential Direct Contact Soil Cleanup Criteria. Constituents detected, as well as relative concentrations, are comparable for the upgradient and downgradient sample locations. This indicates that neither normal operations nor the fire/explosion at the Napp facility appear to have impacted the surrounding soils. Polyaromatic hydrocarbon (PAH) compounds were not identified as a potential contaminant of concern based on our review of the inventory of material used in Napp's operations, suggesting that the PAHs detected in upgradient and downgradient soil samples may be the result of regionally affected river sediments that have been deposited along the shoreline or were historically present in fill materials used in previous site development along the river. This is supported by our review of aerial photographs from 1940, 1951 and 1961 which show inundated, lowlying areas along the Saddle River shoreline immediately west and southwest of the Napp buildings. Moreover, the PCB Arochlors 1248 and 1260 detected at locations upgradient and downgradient of the Napp facility were similar to the PCB arochlors detected as a result of remedial PCB sampling investigations previously conducted at the adjacent Fine Organics facility.

In order to determine the potential impact of firewater discharged into the stream through the stormwater discharge outfall, stream and sediment sampling was conducted. Samples of river water were collected at the outfall as well as upstream and downstream of the outfall. Samples were analyzed for volatile organics, base neutral/acid extractable organics, metals, pesticides, and PCBs. As indicated on Figure 7-3, in general, concentrations detected in upstream samples were higher than or approximately the same as concentrations detected in downstream samples or at the outfall.

Additional testing was conducted to determine the potential effect on the river sediments and aquatic life in the river. Sediment samples were collected upstream and downstream of the facility and analyzed for pH, PCBs, TOC, and phenols. These data are presented on Figure 7-3. No phenols were detected. PCBs were detected upstream of Napp, but not in the downstream sample. The absence of phenols in the sediment samples is significant for several reasons. First, it is expected that many of the compounds used by Napp would have decomposed to phenols during the April 21, 1995 fire and explosion. The fact that phenols were not detected in the sediment indicates the fire and explosion did not have a long term impact on the river. Secondly, this data also indicates that Napp's direct use of phenol at the site has not impacted the river.



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As requested by EPA and NJDEP, toxicological testing was also conducted on the river sediment, including an analysis of benthic macroinvertebrate samples, as well as acute toxicity and chronic toxicity analyses. First, an analysis of benthic macroinvertebrate samples was conducted. This analysis indicated that the density and diversity of organisms were fairly low in both the upstream and downstream samples, and were indicative of historically disturbed systems that receive, or have received, moderate to high levels of pollution. In addition to the benthic analysis, acute toxicity and chronic toxicity analyses of the sediment were conducted. The results of the acute toxicity analysis indicated a survival rate of the test organisms (daphnia magna) of 100% in both the upstream and downstream samples, with no significant differences between the two samples. The results of the chronic toxicity analysis indicated a survival rate of the test organisms (hyalella azteca) of 91% and 88% in the upstream and downstream samples, respectively, both of which were greater than the survival rate of 81% which was observed in the control sample. The results of the environmental and toxicity testing indicate that no adverse chemical or biological effects are observable as a result of a potential release from the Napp facility. The reports summarizing the benthic and toxicity testing are presented in Attachment 7.

In summary, the river water and sediment data indicate that river conditions are essentially the same upgradient and downgradient of the Napp site. This supports the view that there have been no discharges from the facility into the river, either historically or as a result of the fire/explosion, which have adversely affected the environment.

As discussed with NJDEP during the November 8, 1995 site inspection, Napp continues to conduct activities at the site such as removal of equipment and residual materials. As this work is conducted, additional sampling data is occasionally generated. In addition, Napp is in the process of obtaining additional environmental sampling data collected by various agencies as a result of the fire and explosion. Napp will submit this additional information to NJDEP under separate cover.





# Analysis of Benthic Macroinvertebrate Samples Collected in the Saddle Brook River on May 2, 1995

Performed for:

ENSR Piscataway, NJ

Performed by:

**ENSR**Fort Collins, CO

May 1995

# 1.0 INTRODUCTION

On May 2, 1995 benthic macroinvertebrate samples were collected from the Saddle River by ENSR personnel. Those samples were sent to the Fort Collins Environmental Toxicology Laboratory for analysis. The purpose of the investigation was to determine if degradations had occurred in the benthic macroinvertebrate community downstream of the Napp Technologies facility. This report describes the analytical procedures and results.

# 2.0 METHODS

# 2.1 Sample Collection

Samples were collected at 4 locations in the Saddle River; 2 upstream of the site and 2 downstream. At each of the 4 locations a 6-inch Ekman bottom dredge was used to collect four grabs (A, B, C, and D) situated on a transect running from the west bank to the east bank. The four grabs were combined into a single composite sample. At station DD-1 grabs C and D were taken at very rocky locations and therefore little sediment was recovered. At the other three locations grabs A and B were taken at rocky locations with little sediment recovery. It is assumed, therefore, that at each location only 2 grabs yielded a substantial amount of sediment. The composite samples were placed into glass quart jars and preserved with 70 percent isopropanol (rubbing alcohol). Basic water chemistry measurements were taken at the time of collection (Table 1).

# 2.2 Laboratory Analysis

Benthic samples were received in the laboratory on May 3. The chain custody is included as Appendix A. Each sample was logged in and assigned a laboratory identification number (Table 1). Samples were sorted primarily by sieving the sandy substrate through a series of brass or stainless steel sieves. All organisms observed in the sample were sorted from the sediment. Sample UD-1 appeared to have a large number of organisms in the sediment and was therefore split twice using a rotating sample splitter (after homogenization). The resulting sediment sample that was examined was, therefore, 25 percent of the original sample.

Identification was completed using compound and dissecting microscopes. Where necessary (e.g., chironomids and oligochaetes) temporary or semi-permanent microscope slides were made. See section 4.0 for a listing of the taxonomic texts used. Organisms were identified to the Lowest Practical Taxon (LPT).



# 2.3 Data Analysis

For each sample location the total number of taxa and the number of organisms/144 in² (1 ft²) was determined. In addition, MultiVariate Statistics Package (MVSP) was used to determine the Shannon-Wiener (Weaver) Diversity and Evenness using the natural log.

# 3.0 RESULTS

Oligochaetes dominated the samples comprising over 30 percent of each sample (Table 2). Most of the oligochaetes appeared to belong to the family Naididae due to their 1) small size (< 2.5 cm), 2) lack of hair setae, and 3) multiple (> 2), bifurcate setae. A single, very long (> 5 cm) worm was found in the sample from UL-1 and was assumed to be a Tubificidae. In addition, one specimen was found in DL-1 which only had 2 setae per bundle and was identified as Lumbriculidae. Because of the large number of worms, not every worm was examined microscopically; it is possible that some animals classified as Naididae may belong to one of the other families. All of these oligochaetes, however, are pollution-tolerant and indicative of historically disturbed systems.

Chironomids were also common in the samples. Several specimens of Orthocladiinae (subfamily) were identified. Because of the markedly different appearance of the mentums, it was possible to identify 3 distinct species of Orthocladiinae, although determination of the exact species was not possible. Therefore, these were simply listed as species 1, species 2, and species 3. Some dipteran pupae were found in the samples. Since the shed larval skin of a chironomid was attached to one pupae, and since chironomids were the dominant dipterans in the samples, it was assumed that the pupae were also chironomids, although genus identification was not attempted.

A single specimen from the family Ceratopogonidae (Diptera) was found in the UL-1 sample; the isopod *Caecidotea* sp. was found in samples from UL-1 and DD-1.

At stations UL-1 and DL-1 empty shells of a gastropod (Lymnaeidae) and a pelecypod (Sphaeridae) were found. Since no soft tissue was found in any of these shells they were considered artifacts and were not included in the list of organisms (Table 2).

Station UD-1 was found to have the greatest number of organisms after taking into account the sample splitting. Since the sample splitting was done as quantitatively as possible, the numbers calculated for UD-1 are believed to be realistic. Station UL-1, however, had the highest Shannon-Wiener (SW) diversity (2.06). The highest evenness values were calculated for both of the upstream stations (Table 3). The



actual SW printout is included as Appendix C.

Since no true field replicates were collected, statistical analysis at a given level of probability could not be performed. Although it appears that organisms are more abundant and diverse upstream of the site, this hypothesis cannot be tested with the available data. All of the organisms collected, however, are indicative of historically disturbed systems that receive, or have received, moderate to high levels of pollution.

# 4.0 REFERENCES

- Beck, Jr., W.M. 1976. Biology of Larval Chironomids. Vol. 2, No. 1. State of Florida, Department of Environmental Regulation, 58 pp.
- Brinkhurst, R.O. Keys to Water Quality Indicative Organisms (Southeastern United States). Oligochaeta. Department of the Interior.
- Merritt, R.W. and K.W. Cummins. 1984. An Introduction to the Aquatic Insects of North America. Second Edition. Kendall Hunt Publishing Company, 722 pp.
- Pennak, R.W. 1989. Fresh-Water Invertebrates of the United States, Protozoa to Mollusca. Third Edition. John Wiley & Sons, Inc., 628 pp.
- Stewart, P.L. and J.S. Loch. 1973. A Guide for the Identification of Two Subfamilies of Larval Chironomidae: the Chironomidae and Tanypodinae Found in Benthic Studies in the Winnipeg River in the Vicinity of Pine Falls, Manitoba in 1971 and 1972. Technical Report Series No.: CEN/T-73-12. Department of the Environment Fisheries and Marine Science, 46 pp.

Table 1. Water Quality Measurements at the Time of Sample Collection<sup>1</sup>

Station	ENSR Laboratory ID Number	рН	Dissolved Oxygen (mg/L)	Specific Conductance (mS/cm)	Salinity (percent)	Temperature °C
UL-1	130B	8.0	8.21	0.580	0.02	12.1
UD-1	131B	7.0	9.2	0.570	0.02	12.2
DL-1	1298	5.5	8.21	0.560	0.02	11.6
DD-1	128B	6.0	7.19	0.548	0.02	11.8

<sup>&</sup>lt;sup>1</sup> Characterizations performed in the field.

Table 2. Density and Relative Abundance of Benthic Macroinvertebrates

Collected at Four Sites in the Saddle River.

Organism		Station									
	Ų	L-1	U	ID-1	0	t.i		DD-1  F/hc <sup>2</sup> RA  11 29 1 2.6 4 10.5 2 5.3 1 2.6  2 5.3 1 7 44.7 38 100			
	#/H²	RA1	₽Rt <sup>2</sup>	RA	#/tt²	RA.	ent <sup>2</sup>	FA			
Diptera											
Ceratopogonidae 1	1	2.1									
Chironomidae											
Chironominae					<u> </u>						
Chironomini											
Cryptochironomus sp.	8	16.6	44	25			11	29			
Dicrotendipes sp.	4	8.3	32	18.2	3	8.1	1	2.6			
Polypedilum sp.	6	12.5	16	9.1	1	2.7	4	10.5			
Orthocladiinae (species 1)	6	12.5	16	9.1	1	2.7	2	5.3			
Orthocladiinae (species 2)	2	4.2					1	2.6			
Orthocladiinae (species 3)	1	2.1			1	2.7					
Chironomidae pupae	2	4.2			5	13.5					
Isopoda											
Asellidae											
Caecidotea sp.	3	6.2					2	5.3			
Oligochaeta								_			
Naididae	14	29.2	68	38.6	25	67.6	17	44.7			
Tubificidae	1	2.1									
Lumbriculidae					1	2.7					
TOTAL	48	100	176	100	37	100	38	100			
TOTAL # OF TAXA	11		5		7		7	l			

Note: Four, 36  $in^2$  samples were collected and composited to make one, 144  $in^2$  (1  $ft^2$ ) sample.

<sup>&</sup>lt;sup>1</sup> RA = Percent Relative Abundance

Table 3. Shannon-Wiener Diversity and Evenness

Station	SW Diversity <sup>1</sup>	SW Evenness
UL-1	2.06	0.86
UD-1	1.46	0.91
DL-1	1.13	0.58
DD-1	1.46	0.75

<sup>&</sup>lt;sup>1</sup> Calculated using the natural log

Appendix A

Chain of Custody



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Edisop, New Jersey 988	817	
Phone: (908) 549-3900	Fax:	(

# CHAIN OF CUSTODY / ANALYSIS REQUEST

NAPP   LOD   NEW DERSEY   State (Location of site)   NEW DIF     ENSR	Phone: (908) 549-3900 Fax: (908) 549-3679							•									P	AGEOF
State (Location of site)   NY: Other: Regulatory Program   NAMALYSIS REQUESTED (ENTER X: BELOW TO INDICATE RE   LAB USE ONL   Project No:   No. of   No. o	Name (for report and invoice)		Sampler	s Name (	Printed)							fication	n .0D	م ام	Ne	iJ .	)E	RSEY
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State   Zip   Zi	ENSR								Regul	atory I	Progra	m:						
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Sample   S	City State ZID				ad For	- [	53	•	- [	- [	- [	-		- [		-	- [ ]	riojectivo.
Sample   S	Piscatawny W 09	1854			<b>04</b>	/	s k										1-	Job No:
Sample Identification   Date   Time   Matrix   No. of.   Cont.   Sample	908-457-0500 908 457	− <i>0</i> ਙ				1	70,										.	
DL-1 Day madent 100 ye 1435   P  UD-1 1 Jed radient 2500 fer	Sample Identification	Date	Time	Matrix	No. of. Cont.	7 .c	_	L	<u> </u>									
U1   Upgradient 10 Nyd	DD-1 Downsadient 282	5/2/95	1/30	SEP	1	X												
UD-1/Upgradient 10 0 yd 1435   D	DL-1/ Downmadient 100 yols		1415			X												
VD-1/logradient 2500 Rx V 1521			1435		1	X												
Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO <sub>3</sub> , 5 = NaOH Soil: 6 = Other, 7 = Other Water:		1			١	X												
Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO <sub>3</sub> , 5 = NaOH Soil: 6 = Other, 7 = Other Water:	4	7																
Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO <sub>3</sub> , 5 = NaOH Soil: 6 = Other, 7 = Other Water:																		
Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO <sub>3</sub> , 5 = NaOH Soil: 6 = Other, 7 = Other Water:																		
Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO <sub>3</sub> , 5 = NaOH Soil: 6 = Other, 7 = Other Water:	₩ U:																	
Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO <sub>3</sub> , 5 = NaOH Soil: 6 = Other, 7 = Other Water:																		
6 = Other, 7 = Other Water:																		
	Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO <sub>4</sub> ,	4 = HNO <sub>3</sub>	3, 5 = Na	ОН	Soil:													
Special Instructions:  Water Metals Filtered (Yes/No)?	6 = Other, 7 = Ot	her			Water:	<u> </u>	<u></u>											
opecial metadotorie.	Special Instructions:							:					w	ater N	letals	Filtered	ı (Yes	/No)?

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3)	<u> </u>	Company	Date / Time	3) Received by	Company
Relinquished by 4)		Company	Date / Time	4)	Journal of the second of the s



Appendix B

Laboratory Data Sheets

Page \_\_ of \_\_ FCETL QA Form No. 082 Revision 0 Effective 08/93

# MACROINVERTEBRATE LABORATORY ANALYSIS FORM

Project Number: 800-176-10 A	Project Name:	NAPP
Station Designation: VL-1	Station Comments	: Upstream
Collection method: Ekman	(6 inch) Rep	licate: ENSR# 130B
Collected By: Keny Su	llivan Date	e Collected: 5/2/95
Analyzed By: David P		e(s) Analyzed: 5/8/95

	<del> </del>	<del>                                     </del>	7 17	<u> </u>	
Taxa	Total	Volume of	144 Area	No. per Unit	Remarks
	Number	Sample	Sampled '	Area	
		Examined	36 in 2	(lm2)	
Gustropoda					
Lymnaeidae	1	100%		10.76	Empty- tissue
Pelecypoda					
Sphaeridae	2		12	21.52	Emphy
,					/
Diptera					
Chatopogonidae	1			10.76	
(Dashyheleinae er				·	
	·				
Constopogoninas) Dipteran torbas	×2		2	21.52	
Chironomidae					
(SF) Chironominae					
(Tribe) Chironomini					
Cryptochironomus	. 8		8	86.08	וואניוו)
Isopoda					
Asellidae					
Caecidotea ga	3	- V	3	32.28	
Total, This Page					
Total, Entire Sample					

<sup>136</sup> m2 x 4= 144 m2 - 4 grabs combined into. one

Page 2 of 2 FCETL OA Form No. 082 Revision 0 Effective 08/93

# MACROINVERTEBRATE LABORATORY ANALYSIS FORM

Project Number: 9500-196-104	Project Name: NAPP
Station Designation: UL-	Station Comments: Upstream
Collection method: 6- in	Ekman Roplicate: ENSA-# 130B
Collected By: Keny Sc	Ilivan Date Collected: 5-2-95
Analyzed By: David Pil	

Таха	Total Number	Volume of Sample Examined	Area Sampled	No. per Unit Area ( m2 )	Remarks	
Chironomi doe (Cont.)		100%				
Chironominae						
Chironomini				64.56		
Polypodilung	6		6 8	7347.33	MUI	
D'entendipes	30 4		4	43.04	urt	
(st) Orthocladinae	6		6	64.56	1411	
(2nd) Orthocladii nae	2			21.52	<u> </u>	
(3rd) Orthocladiinae				10.76		
Olyochaeta Naudidae TubiFicidae			1.46			
Nadidal	14		14	150.64	און און ווון	
Tubiticidae			J	10.76	THE THE IIII 25 cm long up to ton setae / bu a	dle
		-			- :	ingen om en
no mines automorphis	·	-				
Total, This Page						
Total, Entire Sample						

# MACROINVERTEBRATE LABORATORY ANALYSIS FORM

Project Number: 2500-176-101	Project Name	: NAPP	
Station Designation: VD-	Station Comm	ments: Upstream	
Collection method: 6-inch	Ekman	Replicate: ENSR#	. 1283
Collected By: Henry So	Ilivan	Date Collected: 5	12/95
Analyzed By: David Pil	lard	Date(s) Analyzed: 5	18-5/16/95

Taxa	Total Number	Sa Exa	ume of ample amined	Area Sampled /4412	No. per Unit Area (~2)	Remarks
Diptera		2	5% *			
Chironomidae			1			
Chironominae						
Chironomini						
Chryptochironamus	11			44	473.44	WITH
Dicrotondipor	8			32	344.32	WILL
Polypedilones	4			16	172.16	1111
- m-						
(1st) Orthocladinal	4			16	172.16	1111
						·
Olyochaeta						
Olyochaeta Nardidae	17			68	731.68	
•						
						·
Marine Communication						
			V			
Total, This Page						
Total, Entire Sample						

\*Due to the large # of organisms the sample was split turce so that 25% of the sample was actually picked, sorted, & examined.

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Page \_\_ of \_\_ FCETL QA Form No. 082 Revision 0 Effective 08/93

# MACROINVERTEBRATE LABORATORY ANALYSIS FORM

Project Number: 9500 - 196-10A	Project Name	e: NAPP
Station Designation: ロレー	Station Comr	ments: Downs tream
Collection method: 6-inch	Ekman	Replicate: ENSR # 129B
	llivan	Date Collected: 5/2/95
Analyzed By: David P	illand	Date(s) Analyzed: 5/9/95

Taxa	Total Number	Volume of Sample Examined	Area Sampled	No. per Unit Area (mユ)	Remarks
Gastropoda		10076			
Lymnaeidae	]		1	10.76	Empty
Prelecy poda					, ,
Sphanidae	)			10.76	Empty
'					
Diptera pupar	5		5	<i>5</i> 3.8	
Chinonomidae					
Chinonominae					·
Chironomini					
Polypedilumso			1	10.76	
0 i crotendipos so	3		_ د	32.28	111:
			1		
(1st) Orthocladiinae				10.76	
(3rd) Orthocladinae				10.76	3
Olymphia					-
Oligochaeta	25		25	269	200
1 cmbriculidae	1*		-)	10.76	1*
		7			
Total, This Page					
Total, Entire Sample					

. 22.

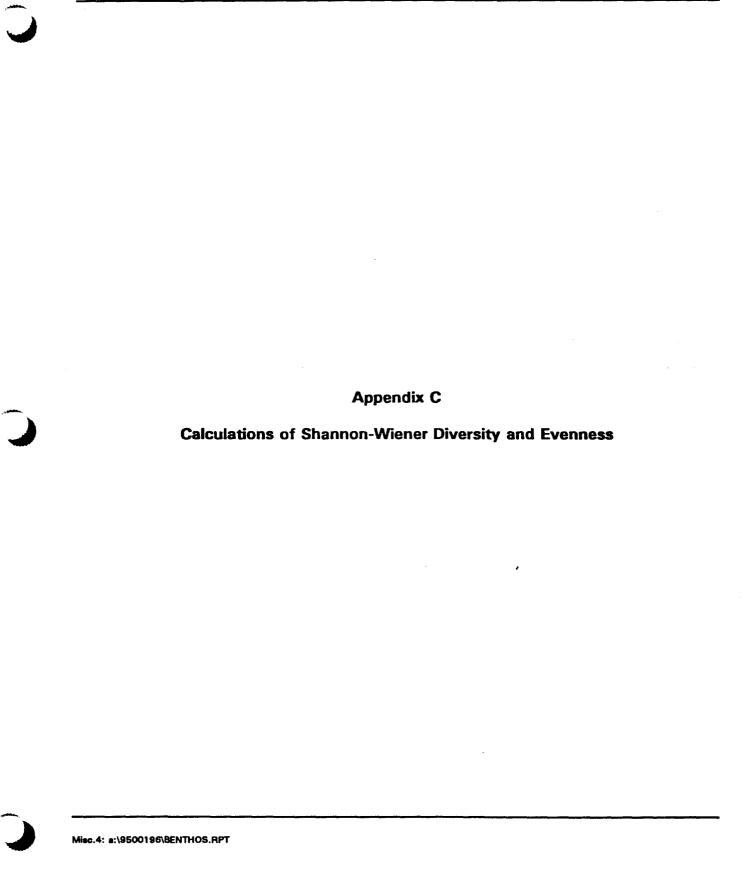
\*Specimen destroyed during identification only 2 setal / bundle , a no hair setal.

# MACROINVERTEBRATE LABORATORY ANALYSIS FORM

Project Number: 9500 196 104 Project Name	e: NAPP				
Station Designation: DD-1 Station Comments: Downs fream					
Collection method: 6-in Ekman	Replicate: ENSR # 12813				
Collected By: Kerry Sullivan	Date Collected: 5-2-95				
Analyzed By: David Pillard	Date(s) Analyzed: 5-9-95-				

Taxa	Total Number	Volume of Sample Examined	Area Sampled	No. per Unit Area ( <b>m <sup>1</sup></b> )	Remarks
Isopoda		100%			
Asellidae					
Caecidoteasp	2		2	21.52	
Diptera					
Chironomidal					
Chirorominae					
Chironomini					
Cryptochironomus so	11			118.36	WHI
Polypedilumop	4		4	43.04	1111
Orthocladiinae 2	{			10.76	1
Orthocladiinae 1	2		2_	21.52	11-
Olgochaeta					-
Olyochaeta Naididae?	17		17	182.92	M MMII
Chinanomidae					
Dicrotendipass		V	]	10,76	***
Total, This Page					
Total, Entire Sample					

\*Pupae, but lanua excurra Still attached with one 877490071



## \*\*\*\*\*\* \*\*\*\* M.V.S.P. \*\*\*\* \*\*\*\*\*\*

Date of analysis - 5-17-1995 Time of analysis - 2:11:49pm

Input file name - A:\9500196\BENTHOS.PRN Output file name - A:\9500196\BENTHOS.DIV

Test data for diversity analysis

#### Diversity index program.

#### RAW DATA

3	0	0	2
8	44	0	11
6	16	1	4
4	32	3	1
6	16	1	2
2 1	0	0	1
1	0	1	0
1	0	0	0
2	0	5	0
14	68	25	17
1	0	0	0
0	0	1	0

## Log base e

SHANNON DIVERSITY INDEX

SHANN	OM DIAF	KOLLI INDI	5X		
Sampl	e	Index	Evenness	Number of species	
1	UL-1	2.0650	0.8612	11	
2	UD-1	1.4599	0.9071	5	
3	DT -1	1.1294	0.5804	7	
4	1-00	1.4571	0.7488	7	

Analysis finished at - 2:12:22pm

File 9507-196-8.5.1

8505-245-220

# Study Title Chronic Toxicity of Whole Sediment from the Saddle Brook River to Hyalella azteca Under Static-Renewal Test Conditions.

Author Karen A. Barten

## Study Period

Start: May 2, 1995 End: May 12, 1995

Performing Laboratory
ENSR Consulting and Engineering
Fort Collins Environmental Toxicology Laboratory
4413 West LaPorte Avenue
Fort Collins, CO 80521

Telephone:(970)416-0916 FAX: (970)493-8935

Laboratory Project ID 8505-245-220

## STATEMENT OF PROCEDURAL COMPLIANCE

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge, accurate and complete.

Donald. Fulland for JRH

J. Russell Hockett

Study Director

5-23-85

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## STATEMENT OF QUALITY ASSURANCE

The test data were reviewed by the Quality Assurance Unit to assure that the study was performed in accordance with the protocol and standard operating procedures. This report is an accurate reflection of the raw data.

Quality Assurance Unit

Nay 23, 1995

## **SUMMARY**

	7
Sponsor	ENSR-Piscataway
Project Officer	Art Goeller
Study Director	J. Russell Hockett (970) 416-0916
Test Facility	ENSR Consulting and Engineering 4413 West LaPorte Avenue Fort Collins, Colorado 80521
Location of Data	Data Records and Storage 328 Link Lane #4 Fort Collins, Colorado 80524
Test Substance	Whole Sediment
Subject	10-Day Static-Renewal Toxicity Test
Test Dates	May 2, 1995 to May 12, 1995
Length of Study	10 Days
Test Species	Hyalella azteca
Source of Organisms	Aquatic Research Organisms, Hampton, New Hampshire (ENSR in-house culture since 12/1/94)
Size of Test Organisms	< 3mm
Test Concentrations	Control and 100%
Control Sediment	Florissant Reference Soil
Overlying Water	Site Water Match
Results	Treatments with significantly reduced survival compared to the control: None. Treatments with significantly reduced growth compared to the control: None.

#### 1.0 INTRODUCTION

Study Sponsor	ENSR - Piscataway					
Client	Napp					
Site Water	Saddle Brook River					
Testing Laboratory	ENSR/FCETL					

#### 2.0 DESCRIPTION OF SEDIMENT AND CONTROL SUBSTANCES

#### 2.1 Test Substance

Two whole sediment samples were used for testing; the samples were collected and labeled as follows (see Appendix A for chain of custody records):

Whole Sediment Sample	Collection Date and Time	ENSR Sample #
SED-UP	4/28/95 at 1430	7788
SED-DOWN	4/28/95 at 1705	7790

All sediment from each site was mechanically homogenized prior to use in testing (ENSR SOP #5208).

#### 2.2 Control Sediment

A control sediment (Florissant reference soil provided by USFWS-NFCRC in Columbia, Missouri) was tested concurrently.

## 2.3 Overlying Water

The overlying test water was laboratory reconstituted water prepared to match the average hardness and alkalinity (± 15%) of the two site water samples (hardness of 212 mg/L CaCO<sub>3</sub> and alkalinity of 128 mg/L CaCO<sub>3</sub>). Initial characterization of overlying test water was as follows:

Batch/Sample:#	Hardness (mg/L) <sup>1</sup>	Alkalinity (mg/L) <sup>1</sup>	Conductivity (μS/cm)	Ammonia (mg/L N)
1761	202	116	639	<0.1

<sup>&</sup>lt;sup>1</sup>As CaCO<sub>3</sub>.

#### 3.0 TEST CONDITIONS

#### 3.1 Test Method

The study was a 10-day static-renewal chronic test using *Hyalella azteca*, and was conducted following ASTM (1992) guidelines and procedures described by USEPA (1994). The biological responses measured were death (defined as no visible movement nor any response to gentle prodding with a blunt probe) and growth (mean dry weight). The complete test protocol is included as Appendix B.

#### 3.2 Test Duration

Test duration was 10 days, beginning at 1315 on May 2, 1995 and ending at 1115 on May 12, 1995.

## 3.3 Test Apparatus

Test chambers were 500-mL glass beakers containing 100 mL of test sediment and 175 mL of overlying water. Sediment was first added to the beakers followed by the overlying water; sediment was allowed to settle overnight. At test initiation, ten *Hyalella azteca* were randomly distributed to each test chamber, and eight replicates were tested per treatment (80 organisms per treatment). *Hyalella azteca* were exposed to 100 percent test sediment and a control. All test chambers were held in a temperature controlled water bath under fluorescent lighting with a photoperiod of 16 hours light: 8 hours dark; target test temperature was 23±1°C.

## 3.4 Feeding

Test organisms were fed 1.5 mL of an incubated mixture of yeast, trout chow, and cerophyll (YTC; USEPA 1989) per test chamber on a daily basis.

#### 3.5 Aeration

Test chambers were aerated for at least 30 minutes prior to addition of test organisms. Within a few hours following addition of the test organisms at test initiation, dissolved oxygen levels approached 40 percent of saturation in some test chambers. Because of this, all test chambers were gently aerated for the remainder of the test.

#### 4.0 TEST ORGANISMS

Test organisms were *Hyalella azteca* (< 3mm in size) obtained from an in-house culture of organisms originally obtained from Aquatic Research Organisms in Hampton, New Hampshire December 1, 1994 (FCETL Lot #94-133). There was no apparent mortality of test organisms prior to test initiation and the organisms appeared to be in good physical condition. Test organisms were transferred directly from culture water (at the test temperature) into test chambers without additional acclimation.

#### **5.0 QUALITY ASSURANCE**

The most recent acute reference toxicant test using *Hyalella azteca* from Lot #94-133 was initiated December 1, 1994. Sodium chloride was used as the reference toxicant with moderately hard reconstituted water as the dilution water.

#### 6.0 RESULTS

## 6.1 Biological Data

Percent survival and growth (mean dry weight) of test organisms after 10 days are provided in the following table.

Sample	Percent Survival	Mean Dry Weight (mg)
Control	81	0.12
SED-UP	91	0.30
SED-DOWN	88	0.17

## 6.2 Data Analysis

All data analyses were performed by inspection because percent survival and mean dry weight per organism were greater in both test treatments than in the control.

## 6.3 Test Endpoints

Endpoint	Treatment Site(s)
Significantly Reduced Survival	None
Significantly Reduced Growth	None

## 6.4 Physical and Chemical Data

During the first 3.5 hours following test initiation on test day 0, dissolved oxygen concentrations were  $\geq$  2.8 mg/L (40 percent of saturation at 5,200 feet elevation above sea level). Aeration was initiated at this time and for the remainder of the test, dissolved oxygen concentrations were  $\geq$  6.5 mg/L (92 percent of saturation at 5,200 feet elevation above sea level). Test temperature was maintained between 22 and 23 °C, and pH ranged from 7.8 to 8.8. The following two tables summarize physical and chemical data for overlying water from the control and each sediment sample. See Appendix C for all water quality measurements.



	pH (	units)	DO (	mg/L)	Conductivi	ty (μS/cm)	Tempera	ture (°C)
Treatment	High	Low	High	Low	High	Low	High	Low
Control	8.5	7.8	7.2	6.6	667	608	23	22
SED-UP	8.8	8.1	7.0	6.5	659	634	23	22
SED-DOWN	8.7	7.9	7.0	6.5	689	662	23	22

	Hardn	ess (mg/L	CaCO,)	Alkalir	nity (mg/L	Ammonia (mg/L N)						
Treatment	Day 3	Day 6	Day 10	Day 3	Day 6	Day 10	Day 3	Day 6	Day 10			
Control	216	188	198	92	71_	101	0.2	<0.1	0.5			
SED-UP	214	190	206	132	110	122	<0.1	<0.1	<0.1			
SED-DOWN	216	220	212	94	91	99	<0.1	<0.1	<0.1			

#### 6.5 Reference Toxicant Test Results

Reference toxicant test results are summarized in the following table.

2863	1120	4599
I Geo	Low	High
	ENSR/FCETL Historic	

Note: Values expressed as mg/L chloride.

## 7.0 PROTOCOL DEVIATIONS

To the best of Study Director's knowledge, no deviations from the test protocol (Appendix B) occurred during the study.

## **8.0 LITERATURE CITED**

ASTM. 1992. Standard Guide for Conducting Sediment Toxicity Tests with Freshwater Invertebrates. Method E-13823-92. 1992 Annual Book of ASTM Standards. Vol. 11.04, Section 11, Water and Environmental Technology.

USEPA. 1989. Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. Second Edition. EPA/600/4-89/001.

USEPA. 1994. Methods for Measuring the Toxicity and Bioaccumulation of Sediment-Associated Contaminants with Freshwater Invertebrates. EPA/600/R-94/024.

# APPENDIX A CHAIN OF CUSTODY RECORDS

777 New Durham Road

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## 777 New Durham Road Edison, New Jersey 08517 Phone: (908) 549-3900, Fab. (908) 549-3679 CHAIN OF CUSTODY / ANALYSIS REQUEST

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Maradient	, A		Water	/			X									+	7787
Lygradient SED-DOWN	, '	17:65	Sediner	2	X	X										#	7790
Downgradient	is		who	1		,	X									A	7789
			<u> </u>														
Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO,	4. 4 = HNO	3, 5 = Na	он	Soil:													
6 = Other, 7 = 0				Water:													
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APPENDIX B
TEST PROTOCOL



ENSR Proj. # 8505-245 Prot. No.: HA1NJ.BSED Effective 5/95 Page 1 of 5

Title:

Short-Term Chronic Toxicity of Whole Sediment from Saddle River to Hyalella

azteca.

**Testing Facility:** 

**ENSR Consulting and Engineering** 

Fort Collins Environmental Toxicology Laboratory

4413 West LaPorte Avenue Fort Collins, Colorado 80521

(303) 416-0916

Study Director: J. Russell Hockett



ENSR Proj. # 8505-245 Prot. No.: HA1NJ.BSED Effective 5/95 Page 2 of 5

#### 1.0 INTRODUCTION

#### 1.1 Objective

To determine the short-term chronic toxicity of Saddle River sediment to Hyalella azteca.

#### 1.2 Test Material

Sediment samples will be collected and shipped to ENSR's Fort Collins Laboratory. At the laboratory, samples will be stored under refrigeration (4°C) until used in testing. Prior to testing, the sediment from each replicate sample will be separately homogenized following ENSR SOP #5208. Endemic organisms observed in the sediment samples will be removed manually.

#### 2.0 MATERIALS AND METHODS

## 2.1 Basis

This protocol is patterned after procedures described in ASTM Method E1383-92 (ASTM 1992) and Ingersoll et al. (1994).

## 2.2 Test Organism

- 1. Species Hyalella azteca
- 2. Size organisms will be less than 3mm total length at the start of the test.
- 3. Source Test organisms will be obtained from ENSR's in-house culture or from a commercial supplier.
- 4. Feeding Hyalella azteca will be fed 1.5 mL of a yeast-trout chow-Cerophyl suspension (YTC; USEPA 1989) per test chamber on a daily basis.

#### 3.0 TEST SYSTEM

#### 3.1 Overlying Water

The overlying water used in the toxicity test will be laboratory reconstituted water prepared to match the hardness and alkalinity (± 15%) of site water.

## 3.2 Test Temperature

Test temperature will be 23 ± 1°C. Testing will be conducted in a temperature-controlled water bath or environmental chamber.



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#### 3.3 Test Containers

Test containers will be 500-mL vessels containing approximately 100 mL of sediment and 175 mL of overlying water.

#### 3.4 Photoperiod

The photoperiod will be 16 hours light and 8 hours dark.

## 3.5 Dissolved Oxygen Concentrations

Dissolved oxygen concentrations will be maintained >40 percent of saturation mg/L. If the dissolved oxygen concentration in the overlying water approaches this level, all test chambers will be gently aerated throughout the remainder of the test. If aeration is initiated, the aeration pipet will be appropriately positioned so as to avoid disturbance of the sediment.

#### 4.0 TEST DESIGN

#### 4.1 Test Treatments

The test treatment will be 100% sediment sample. A 100% control sediment (see section 4.3) exposure will be conducted concurrently.

#### 4.2 Sediment/Water Mixture

On the day before test initiation, 100 mLs of the whole sediment sample will be placed into each test chamber. After addition of sediment, 175 mLs of laboratory reconstituted water (see Section 3.1) will be added to each test container, providing mixing of the top portion of the sediment with the overlying water. The test chambers will be left overnight to allow settling and thereby reduce turbidity prior to addition of test organisms.

#### 4.3 Control Sediment

A laboratory control sediment will be tested concurrently.

#### 4.4 Number of Test Organisms

Ten Hyalella azteca will be randomly assigned to each test chamber and eight replicates will be tested per treatment (sample).

#### 4.5 Test Initiation/Renewal Frequency

Testing will be initiated by addition of the test organisms after the overnight settling period described in Section 4.2. Overlying water will be renewed (either continuously or intermittently) so that 1 to 2 volume additions will be achieved each day.

#### 4.6 Chemical and Physical Monitoring

At a minimum, the following measurements will be made on overlying test waters:





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- 1) Dissolved oxygen, temperature and pH will be measured in the overlying water of each treatment (sample) and the control each day of testing.
- 2) Hardness, alkalinity, conductivity, and ammonia will be measured in the laboratory reconstituted water (used as the overlying water) on day 0 (test initiation) and in the overlying water of each treatment (sample) and the control on day 3, day 6, and at test termination.

#### 4.7 Biological Monitoring

After ten days of exposure, sediment from each test chamber will be removed and sieved or sorted to recover living test organisms. Organisms not recovered at test termination will be presumed dead.

#### 4.8 Test Duration

The test duration is 10 days. At test termination, the surviving organisms in each test chamber will be counted and transferred to a tared weighing boat and dried at 100°C for a minimum of 2 hours. Immediately after removal from the drying oven, the weigh boats will be placed in a desiccator to prevent absorption of moisture from the air, until they can be weighed. Weights will be measured to the nearest 0.1 mg.

#### 4.9 Calculations

Survival data will be transformed by arcsine squareroot. Growth in each replicate will be determined as the mean dry weight per surviving organism. Normality and homogeneity assumptions of survival and growth data will be evaluated by the Shapiro-Wilk's test and Bartlett's test, respectively ( $p \le 0.01$ ). If the data meet the assumptions, Dunnett's procedure will be used to compare control with treatment group survival and growth. If the data do not meet the assumptions, Steel's many-one rank test will be used for the comparisons.

#### 4.10 Quality Criterion

The test will not be considered valid if control mortality exceeds 20 percent.

#### **5.0 TEST REPORT**

The report will be a typed document describing the results of the test and will be signed by the Study Director and Quality Assurance Unit. The report will include, but not be limited to the following:

- A copy of all raw data.
- Name of test, Study Director, and laboratory.
- A description of the experimental design and the test chambers, the number of test organisms, replicates per treatment, and the lighting.
- Test organism scientific name, age, and diet.
- A detailed description of the sediment, including its source, time of collection, composition, known physical or chemical properties, and any information that appears on the sample container or has been provided by the Sponsor.



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- The source and characterization of the overlying water.
- A description of any aeration performed on test solutions.
- Percentage of test organisms that died in all treatments (samples).
- The minimum dissolved oxygen concentration, range in test temperature and pH, and all visual observations of test solutions.
- Any deviations from protocol.

#### 6.0 LITERATURE CITED

ASTM. 1992. Standard Guide for Conducting Sediment Toxicity Tests with Freshwater Invertebrates. E13823-92. Annual Book of ASTM Standards, Volume 11.04, Section 11, Water and Environment Technology.

Ingersoll, G., J. Dwyer, P. Winger, A. Burton, G. Ankley, T. Norberg-King, B. Hoke, D. Bedard, K. Day, and P. Landrum. 1994. Standard Test Methods for Measuring the Toxicity of Sediment-Associated Contaminants with Freshwater Invertebrates. EPA 600.R-94/024.

USEPA.1989. Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. Second Edition. EPA/600/4-89/001.

#### 7.0 PROCEDURAL COMPLIANCE

All test procedures, documentation, records, and reports will comply with USEPA (1989) general guidance on quality assurance related to effluent toxicity testing. To this end, random audits of the test may be scheduled while the test is in progress. The raw data will be checked and compared to protocol requirements and Standard Operating Procedures, and the final report will be audited for accuracy and signed, if satisfactory, by the Study Director and an individual form the Quality Assurance Unit.

#### 8.0 PROTOCOL AMENDMENTS AND DEVIATIONS

All changes (i.e., amendments, deviations, and final report revisions) of the approved protocol plus the reasons for changes must be documented in writing. The changes will be signed and dated by the Study Director and maintained with the protocol.

9.0 STUDY DIRECTOR APPROVAL

clue Horhest Date: 5/2/95

Study Director:

APPENDIX C

TEST DATA

Page i of 10 FCETL QA Form No. 051 Revision 3 Effective 12/94

## TOXICITY DATA PACKAGE COVER SHEET

MP 5-23-95 AB 5-23-95

t Type: Acute SublChronic  t Substance: Effluent Other Sediment  tion Water: Receiving Receiving Match Effluent Match  d., Hard Hard Very Hard Other (Specify):	572 0 175
tion Water: Receiving Receiving Match Effluent Match and Hard Very Hard Other (Specify):	h Organism Lot or Batch Number: 94-133
od. Hard Hard Very Hard Other (Specify):	572 0 175
	3/2 /2 / APA
	Age: Asimm (23mm) Supplier: EDSL AFO
tion Water RW or ENSR#: 1761	Concurrent Control Water: RW#:
TL Sample Number: 7788 / 7790 / /	Sample Type: SEDIMENT / SES. /
ection Date and Time:From: 4/15/15 @ 1430 / 4/28	1/25 @ 1705 / @ / @
To:@/	@ / @ / @
e and Time Test Began: 5/2/45 @ 1315	Date and Time Test Ended: 5/12/95 @ 11/5
cocol Number: HAINI SSED	Investigator(s):
t Temperature: 2311°C Env. Chmbr/Bath B. 5 t Solution Vol.: 175 mls Major Number of Replicates per T gth of Test: 10 days Number of Organisms per F e of Food and Quantity per Chamber: 170 1,5 mls/ t Substance Characterization Parameters and Frequency	Replicate: 10 Chamber Feeding Frequency: Daily
t Concentrations (Volume: Volume): (online), Upstream ency Summary Sheet(s)?: None Yes (Specify):	Conductivity: Telty TRC: Instruction  Day 0,3,6,10
ference Toxicant Data: Test Dates: 12/1/14 to_	12/2/14 (C3) pr 1C25 (Circle): 2863
it. 95% Control Limits: 1(20 to 4597	Method for Determining Ref. Tox. Value: 5-K
ecial Procedures and Considerations: UPGLANICAL	T DOWNGHOIENT AVELAGE
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55/2K5 E

\* fat = hardness, mg/1 as Ca CO3
A = alkalinity, mg/1 as Ca CO3 -5/2/8 E 3 5/23/15 €

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Page 2 of 10 FCETL QA Form No. 052 Revision 1 Effective 2/93

## **ACUTE BIOLOGICAL DATA**

ABS123/95

Project Number: 8505-245-2	20			
Test Species (Circle): C. dubia	D. magna	D. pulex	P. promelas	O. mykiss Other (Specify): Hazleca

			Day 10		Numbe	r of Survivii	ng Organisms	
Conc.	Test Replicate	0 Hours	24 Hours	48 Hours	72 Hours	96 Hours		Remarks
Control	Α	10	10					
	В		8(14)				1 dead	·
	С		8(171)				Idead	
	D		8 (2MF)					
	KE		9(1NF)					
	BF		9(1)F)					
	96		7(3UF)					
	øH	<u> </u>	6(4NF)					81%
Instream	Α	10	9(145)					
	В	1	10					
	С		10					
	D		9(1NF)					
	ME		9(1MF) 8(2NF)					
	<b>B</b> F							·
•	96		9(MF)					
	ØΗ		9				1 dead	914
Sconstream	Α	10	9(12)					
	~ В		8 (2NF)					
	С		9(12)					
	D		8 (IME)				1 dead	
	# E		10					
	Ø F		7(3)F)					
	84		10					
	QH		9(141)					88%
	Date:	5/2/95	5/12/95					
	Time:	B15	1115					
	Initials:	14	45					

Revision'1
Effective 2/93

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## **ACUTE CHEMICAL DATA**

Project Number: 8505-245-220 Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss Other (Specify): H. azłeca

Conc.	Rep.		- <del></del>	Dissolv	ed Oxy	ygen (r	ng/L)	-				Te	mperat	rite (.C	;)	······			********		pН				
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FCETL QA Form No. 053 Revision 1

Effective 2/93

DAP 5-23-95 AB512319S

## **ACUTE CHEMICAL DATA**

Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss Other Specify): H. azteca Project Number: 8505-245-220

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Con	c.	Rep.			Dissol	ved Ox	ygen (ı	ng/L)					Te	mperat	ure (°C	;)						рΗ				
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FCETL QA Form No. 053
Revision 1
Effective 2/93

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## **ACUTE CHEMICAL DATA**

Project Number: 8505-245-220 Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss Other Specify): H. azkca

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FCETL QA Form No. 053
Revision 1
Effective 2/93

AB 5 23 195

## **ACUTE CHEMICAL DATA**

Project Number: 8505-245-220 Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss Other Specify): H. azkca

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FGETL QA Form No. 056
Revision 1
Effective 2/93 Dap 5/23/94
AB 5/23/95

## TEST MATERIAL CHARACTERIZATION

Project Number: 8505-245-220 Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss Other Specify): H. azteca

Conc.	Con	ductivity	/ (#S/cn	n)	Hard	ness (m	g/L Ca	CO <sub>3</sub> )	Alka	linity (m	g/L Ca(	CO <sub>3</sub> )		TRC (	mg/L)			VH <sub>3</sub> (r	ng/L)	
	0	13	26	<i>\$1</i> 0	0	13	76	p10	0	13	16	\$10	0	1	2	3	0	13		\$10
Cont	639	667	ଓଡଃ	65C	202	216	D188	198	116	92	71	101	40.0				20.1	0.2	201	0.5
Upstream		659	<i>6</i> 34	642		214	190	206		132	110	122						20.1	10-(	L0.1
Downstream		672	681	662		216	226	212		94	91	99						<0.1	<b>∠0.</b> (	20.1
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Meter#	3	3	3	3	Titr	Tite	Titr	Tita	Titr		Trh	THE	9				2	2	2	2
Date:	5/2/95		5/8/16	5712/95				5/12/95	1	5/5/45		<del> </del>	╢──	1	<u> </u>		5/2/15			
Time:	1500	1100	1130	1200	1500	1100	1130	1215	1500	1100	1130	1215	1500		<del> </del>	-	1500	1400	1330	1215

Page S of 6 FCETL QA Form No. 055 Revision 2 Effective 1/94

## DAILY TOXICITY TEST LOG

DAP 5/23/85 185/23/95

Project Number: 8505-245	220			
est Species (Circle): C. dubia	D. magna D. p	ulex P. promelas	O. mykiss Other Speci	iyi: H.aztece

		7	
General Somments	(= contol D:	Feeding 1.5 mls YTC Dally	Initials/Date
Test Day 0	Test Solution Mixed at: Test Organisms Added at just  Due to low D.O.'S prov to mitration, acration was started @ 1000 ar  CD = 3.5 UE= 4.5, D L= 4.2	Fed during Instrution 1245-1315	5/2195
Test Day 1	Ducto low D.C's a thread of the day, tests were re-cented for the duration of the test. at \$72190 a 1645. CH=4.5 U=2.8 D=3.8	Fed during consumbly 1640-1700	5/3/25
Test Day 2		Fed dum, 60 renewall 1545-1615	574195
Test Day 3		Fed durny o renewalf 0930-coop	5/5/85
Test Day 4		Ed during Renung( 1630-1700	5/4/95
Test Day 5		Feed dring Herena (400	121, 5/7/85
Test Day 6		Fed durty reneval! 1030-1100	८५- 51819४
Test Day 7		Fed during renewal 0845-0115	<5 579155
Test Day 8		FED DUCING REJEWAL 1015-1045	5/10/95
			<<

Day 9

renewal

<5 511195

Day 10

Non

er since

Revision 3 Effective 01/94

Dap 5/13/95 AB5/23/95

## TEST ORGANISM LENGTHS, WEIGHTS, AND LOADING

Project N	lumbe	er: %	らから	- 245-20	10 I	Test Substar	nce: SEDIA	MENT			Comments:			
Species:				U AZ		Analyst Tare	<del></del>		Gross: 🎸	···	Continents.			
				112 95 e				5/15/25 e						
T			T											
Boat No.	Treati	ment	Rep.	Length Units:	Weight Type	(Circle):	Wet Blot	Dry Dry (>	100.0	AFDW (>500°C	)	Lot or Batch	Number: 9	(-133
					Tare Weight (g)	Gross Weight (g)	Net Weight (g)	Adjusted Net Weight (g) <sup>1</sup>	No. of Orig. Organisms	Mean Wt, per Original Fish (mg)	Mean Wt. per Treatment (mg) (Original)	No. of Surv. Organisms	Mean Wt. per Surviving Fish (mg)	Mean Wt. per Treatment (mg) (Surviving)
1	COLIT	eac	٨		1.3019	1.3038	0.0019		10	0.19		10	0.19	
2			В		1.2999	1.3004	0.0005		1	0.05		8	0.06	
3			C		1.3046	1.3060	0.0014			0.14	·	8	0.18	
4			0		1.3119	1.3131	0.0012			0.12		8	0.15	
5			E		1.3607	1.3019	0.0012			0.12		9	0.13	
6			F		1.3040	1.3047	0.0007			0.07		9	0.08	1
7			G		1.3069	1.3077	0,0008			0,08		7	o.ll	
8	Ý	/	Н		1.3109	1.3115	0.0006			0.06	0.10	6	0,10	0.12
9	usit	FAM	Ą		1.3010	1.3036	0.0026	· · · · · · · · · · · · · · · · · · ·		0.26		9	0.29	
10	1		В		1.3005	1.3 040	0.0035			0.35		10	0.35	
11			٥		1.3016	1.3045	0.0029			0.29		10	0.29	
12	1	/	D		1,3114	1,3134	0.002			0.20		9	0.22	, ,
Blank					1.3045	1.3045	0							
Range														
Mean											J.			
Test Sc	lution	Volu	me:					Loading Rate	:					

<sup>&</sup>lt;sup>1</sup> Add in weight loss of blank boat, if appropriate.

## 877490099

## TEST ORGANISM LENGTHS, WEIGHTS, AND LOADING

18 5/23/95 18 5/23/95

Project Number: 8505-245-220				Test Substance: SESIMENT				Comments:						
Species: HYLLELL AZTECA				Analyst Tare: KB Analyst Gross: 55										
Date/Time of Tare Wt.: うしょしり にしゅ				Date/Time of Gross Wt.: 5/15/95@ 1130										
Boat No.			atment Rep.		Weight Type	pe (Circle): Wet Blot Dry Pry (>100°C) AFDW (>500°C)				Lot or Batch Number: 94-133				
				Units:	Tare Weight (g)	Gross Weight (g)	Net Weight (g)	Adjusted Net Weight (g) <sup>1</sup>	No. of Orig. Organisms	Mean Wt. per Original Fish (mg)	Mean Wt. per Treatment (mg) (Original)	No. of Surv. Organisms	Mean Wt. per Surviving Fish (mg)	Mean Wt. per Treatment (mg (Surviving)
13	WST	Uthn	E		1. 3149	1.3177	0.0028		10	0.28		9	0.31	
214			F		1.2644	1.2666	0.0022			0.22		. 8	0.28	
\$15			G		1.3132	1.3165	0.0033			0.33		9	0.37	
416	_\	/	H		1.2669	1,2692	0.0023			0.23	0.27	9	0.26	0.30
\$17	Down	STREAM	A		1.3181	1,3195	0.0014			0.14		9	0.16	
\$ <b>(</b> 8			3		1.3172	1,3190	0.0018			0.8		8	0.22	
117			C		1.3165	1.3179	0.0014	į		0.14		9	0.16	
\$20			D		1.3160	1.3/73	0.0013			0.13		8	0,16	
ष्ठ्रा			ш		1.3115	1.3135	0.002			0.2		10	0.20	
1,022			F		1.3154	1.3163	0.0009			0,09		7	0.13	
1,723			T		1.314 (	1.3/63	0.0022			0.22		10	0.22	
yeay		/	H		1.3149	1.3161	0.0012			0.12	0.15	9	0.13	0.17
Blank					ļ									
Range	<u> </u>											<u> </u>		-
Mean				<u></u>				<u> </u>					<u> </u>	8/749
Test Solution Volume:						Loading Rate	):							

<sup>&</sup>lt;sup>1</sup> Add in weight loss of blank boat, if appropriate.

FIL 950 19655.1

8505-245-220

## Study Title

Acute Toxicity of Whole Sediment from the Saddle Brook River to Daphnia magna Under Static Test Conditions.

Author Karen A. Barten

**Study Period** 

Start: May 4, 1995 End: May 6, 1995

Performing Laboratory

ENSR Consulting and Engineering
Fort Collins Environmental Toxicology Laboratory
4413 West LaPorte Avenue
Fort Collins, CO 80521

Telephone:(970)416-0916 FAX: (970)493-8935

Laboratory Project ID 8505-245-220

#### STATEMENT OF PROCEDURAL COMPLIANCE

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge, accurate and complete.

Dail S. Pelled for J. R.H.

5-23-95

J. Russell Hockett Study Director

Date

## STATEMENT OF QUALITY ASSURANCE

The test data were reviewed by the Quality Assurance Unit to assure that the study was performed in accordance with the protocol and standard operating procedures. This report is an accurate reflection of the raw data.

Quality Assurance Unit

Date

## **SUMMARY**

Sponsor	ENSR - Piscataway			
Project Officer	Art Goeiler			
Study Director	J. Russell Hockett (970) 416-0916			
Test Facility	ENSR Consulting and Engineering 4413 West LaPorte Avenue Fort Collins, Colorado 80521			
Location of Data	Data Records and Storage 328 Link Lane #4 Fort Collins, Colorado 80524			
Test Substance	Whole Sediment			
Subject	48-Hour Static Toxicity Test			
Test Dates	May 4, 1995 to May 6, 1995			
Length of Study	48 Hours			
Test Species	Daphnia magna			
Source of Organisms	ENSR In-House Culture			
Age of Test Organisms	< 24 Hours			
Test Concentrations	Control and 100%			
Control Sediment	Florissant Reference Soil			
Overlying Water	Site Water Match			
Results	Treatments with significantly reduced survival compared to the control: None			

#### 1.0 INTRODUCTION

Study Sponsor	ENSR - Piscataway
Client	Napp
Site Water	Saddle Brook River
Testing Laboratory	ENSR/FCETL

#### 2.0 DESCRIPTION OF SEDIMENT AND CONTROL SUBSTANCES

#### 2.1 Test Substance

Two whole sediment samples were used for testing; the samples were collected and labeled as follows (see Appendix A for chain of custody records):

Whole Sediment Sample	Collection Date and Time	ENSR Sample #		
SED-UP	4/28/95 at 1430	7788		
SED-DOWN	4/28/95 at 1705	7790		

All sediment from each site was mechanically homogenized prior to use in testing (ENSR SOP #5208).

#### 2.2 Control Sediment

A control sediment (Florissant reference soil provided by USFWS-NFCRC in Columbia, Missouri) was tested concurrently.

#### 2.3 Overlying Water

The overlying test water was laboratory reconstituted water prepared to match the average hardness and alkalinity (± 15%) of the two site water samples (hardness of 212 mg/L CaCO<sub>3</sub> and alkalinity of 128 mg/L CaCO<sub>3</sub>). Initial characterization of overlying test water was as follows:

Batch/Sample #	Hardness	Alkalinity	Conductivity	Ammonia
	(mg/L)¹	(mg/L)¹	(μS/cm)	(mg/L N)
1761	202	116	639	<0.1

<sup>&</sup>lt;sup>1</sup>As CaCO<sub>3</sub>.

#### 3.0 TEST CONDITIONS

#### 3.1 Test Method

The study was a 48-hour static acute test using *Daphnia magna*, and was conducted following ASTM (1992) guidelines and procedures described by USEPA (1994). The biological response measured was death (defined as no visible movement nor any response to gentle prodding with a blunt probe). The complete test protocol is included as Appendix B.

#### 3.2 Test Duration

Test duration was 48 hours, beginning at 1530 on May 4, 1995 and ending at 1530 on May 6, 1995.

## 3.3 Test Apparatus

Test chambers were 100-mL glass beakers containing 10 mL of test sediment and 40 mL of overlying water. Sediment was first added to the beakers followed by the overlying water; sediment was allowed to settle overnight. At test initiation, five *Daphnia magna* were randomly assigned to each test chamber, and eight replicate chambers were tested per treatment (40 organisms per treatment). *Daphnia magna* were exposed to 100 percent test sediment and a control. All test chambers were held in an environmental chamber under fluorescent lighting with a photoperiod of 16 hours light: 8 hours dark; target test temperature was 20±1°C.

## 3.4 Feeding

Test organisms were not fed during the test.

#### 3.5 Aeration

Because Daphnia magna tend to remain at the surface of the test solution, rather than bubbling air into the test chambers, an alternative form of aeration was needed to maintain dissolved oxygen concentrations greater than 40 percent of saturation. Prior to test initiation, test chambers were placed in a sealed glass box which was then injected with 100% oxygen; after a minimum of 30 minutes, test chambers were removed and test organisms were added. Test chambers were then returned to the glass box and the box was re-injected with oxygen. The box was also re-injected with oxygen after biological readings on the first day of testing.

#### 4.0 TEST ORGANISMS

Test organisms were *Daphnia magna* obtained from the ENSR/FCETL in-house culture (FCETL batch #050395). At test initiation, the test organisms were less than 24 hours old and appeared to be in good physical condition. Test organisms were transferred directly from culture water (at the test temperature) into test chambers without additional acclimation.



#### 5.0 QUALITY ASSURANCE

The most recent reference toxicant test using *Daphnia magna* from the ENSR/FCETL in-house culture was initiated May 2, 1995. Sodium chloride was used as the reference toxicant with moderately hard reconstituted water as the dilution water

#### 6.0 RESULTS

#### 6.1 Biological Data

Survival of test organisms after 48 hours is provided in the following table.

Treatment	Percent Survival
Control	100
SED-UP	100
SED-DOWN	100

## 6.2 Data Analysis

All data analyses were performed by inspection because percent survival in all test treatments was 100 percent.

## 6.3 Test Endpoints

Endpoint	Treatment Site(s)
Significantly Reduced Survival	None

#### 6.4 Physical and Chemical Data

Throughout the test, all water quality parameters remained within acceptable limits (Appendix C). Dissolved oxygen concentrations were  $\geq 5.1$  mg/L (68 percent of saturation at 5,200 feet elevation above sea level). Test temperature was maintained at  $20 \pm 1$  °C, and pH ranged from 7.7 to 8.5. The following two tables summarize physical and chemical data for overlying water from the control and each sediment sample. See Appendix C for all water quality measurements.

	pH (units)		DO (mg/L)		Conductivity (µS/cm)		Temperature (°C)	
Treatment	High	Low	High	Low	High	Low	High	Low
Control	7.8	7.7	7.5	7.0	690	639	21	20
SED-UP	8.5	7.7	7.0	5.1	738		21	20
SED-DOWN	8.4	7.8	7.0	6.6	715	<u> </u>	21	20

	Hardness (mg/L CaCO <sub>3</sub> )	Alkalinity (mg/L:CaCO <sub>3</sub> )	Ammonia (mg/L N)	
Treatment	Day 2	Day 2	Day 2	
Control	240	40	<0.1	
SED-UP	240	165	<0.1	
SED-DOWN	234	110	<0.1	

## 6.5 Reference Toxicant Test Results

Reference toxicant test results are summarized in the following table.

	ENSR/FCETL				
LC <sub>50</sub>	Low			High	
3323	2796			3663	

Note: Values expressed as mg/L chloride.

#### 7.0 PROTOCOL DEVIATIONS

To the best of Study Director's knowledge, no deviations from test protocol (Appendix B) occurred during the study.

#### 8.0 LITERATURE CITED

ASTM. 1992. Standard Guide for Conducting Sediment Toxicity Tests with Freshwater Invertebrates. Method E-13823-92. 1992 Annual Book of ASTM Standards. Vol. 11.04, Section 11, Water and Environmental Technology.

USEPA. 1994. Methods for Measuring the Toxicity and Bioaccumulation of Sediment-Associated Contaminants with Freshwater Invertebrates. EPA/600/R-94/024.

# APPENDIX A CHAIN OF CUSTODY RECORDS

# 877490110

### ENVIROTECH RESEARCH INC. 777 New Durham Road

CNSR IT COLLIAS

7// New Durham Road Edison, New Jersey 08847 Phone: (908) 549-3900 Fax: (908) 549-3679 CHAIN OF CUSTODY / ANALYSIS REQUEST

Phone: (908) 549-3900 Fax (908) 549-3679																1	PAGE OF
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APPENDIX B

TEST PROTOCOL



ENSR Proj. # 8505-245 Prot. No.: DMNJ.BSED Effective 5/95 Page 1 of 5

Title:

Acute Toxicity of Whole Sediment from Saddle River to Daphnia magna.

Testing Facility:

ENSR Consulting and Engineering

Fort Collins Environmental Toxicology Laboratory

4413 West LaPorte Avenue Fort Collins, Colorado 80521

(303) 416-0916

Study Director: J. Russell Hockett



ENSR Proj. # 8505-245 Prot. No.: DMNJ.BSED Effective 5/95 Page 2 of 5

#### 1.0 INTRODUCTION

#### 1.1 Objective

To determine the acute toxicity of Saddle River sediment to Daphnia magna.

#### 1.2 Test Material

Sediment samples will be collected and shipped to ENSR's Fort Collins Laboratory. At the laboratory, samples will be stored under refrigeration (4°C) until used in testing. Prior to testing, the sediment from each replicate sample will be separately homogenized following ENSR SOP #5208. Endemic organisms observed in the sediment samples will be removed manually.

#### 2.0 MATERIALS AND METHODS

#### 2.1 Basis

This protocol is patterned after procedures described in ASTM Method E1383-92 (ASTM 1992) and Ingersoll et al. (1994).

#### 2.2 Test Organism

- 1. Species Daphnia magna
- 2. Age organisms will be less than one day old at the start of the test.
- 3. Source Test organisms will be obtained from ENSR's in-house culture.
- 4. Feeding organisms will not be fed during testing.

#### 3.0 TEST SYSTEM

#### 3.1 Overlying Water

The overlying water used in the toxicity test will be laboratory reconstituted water prepared to match the hardness and alkalinity (± 15%) of site water.

#### 3.2 Test Temperature

Test temperature will be  $20 \pm 1^{\circ}$ C. Testing will be conducted in a temperature-controlled water bath or environmental chamber.



ENSR Proj. # 8505-245 Prot. No.: DMNJ.BSED Effective 5/95 Page 3 of 5

#### 3.3 Test Containers

Test containers will be 100-mL vessels containing approximately 10 mL of sediment and 40 mL of overlying water.

#### 3.4 Photoperiod

The photoperiod will be 16 hours light and 8 hours dark.

#### 3.5 Dissolved Oxygen Concentrations

Dissolved oxygen concentrations will be maintained >40 percent of saturation mg/L. If the dissolved oxygen concentration in the overlying water approaches this level, all test chambers will be gently aerated throughout the remainder of the test. If aeration is initiated, the aeration pipet will be appropriately positioned so as to avoid disturbance of the sediment.

#### 4.0 TEST DESIGN

#### 4.1 Test Treatments

The test treatment will be 100% sediment sample. A 100% control sediment (see section 4.3) exposure will be conducted concurrently.

#### 4.2 Sediment/Water Mixture

On the day before test initiation, 10 mLs of the whole sediment sample will be placed into each test chamber. After addition of sediment, 40 mLs of laboratory reconstituted water (see Section 3.1) will be added to each test container, providing mixing of the top portion of the sediment with the overlying water. The test chambers will be left overnight to allow settling and thereby reduce turbidity prior to addition of test organisms.

#### 4.3 Control Sediment

A laboratory control sediment will be tested concurrently.

#### 4.4 Number of Test Organisms

Five *Daphnia magna* will be randomly assigned to each test chamber and eight replicates will be tested per treatment (sample).

#### 4.5 Test Initiation/Renewal Frequency

Testing will be initiated by addition of the test organisms after the overnight settling period described in Section 4.2. Overlying water will be not be renewed during testing.

#### 4.6 Chemical and Physical Monitoring

At a minimum, the following measurements will be made on overlying test waters:



ENSR Proj. # 8505-245 Prot. No.: DMNJ.BSED Effective 5/95 Page 4 of 5

- 1) Dissolved oxygen, temperature and pH will be measured in the overlying water of each treatment (sample) and the control each day of testing.
- 2) Hardness, alkalinity, conductivity, and ammonia will be measured in the laboratory reconstituted water (used as the overlying water) on day 0 (test initiation) and in the overlying water of each treatment at test termination.

#### 4.7 Biological Monitoring

On test days one and two, the number of live organisms will be counted in each test chamber.

#### 4.8 Test Duration

The test duration is 48 hours.

#### 4.9 Calculations

Final survival data will be transformed by arcsine squareroot. Normality and homogeneity assumptions of survival and growth data will be evaluated by the Shapiro-Wilk's test and Bartlett's test, respectively ( $p \le 0.01$ ). If the data meet the assumptions, Dunnett's procedure will be used to compare control with treatment group survival. If the data do not meet the assumptions, Steel's many-one rank test will be used for the comparisons.

#### 4.10 Quality Criterion

The test will not be considered valid if control mortality exceeds 10 percent.

#### 5.0 TEST REPORT

The report will be a typed document describing the results of the test and will be signed by the Study Director and Quality Assurance Unit. The report will include, but not be limited to the following:

- A copy of all raw data.
- Name of test, Study Director, and laboratory.
- A description of the experimental design and the test chambers, the number of test organisms, replicates per treatment, and the lighting.
- Test organism scientific name, age, and diet.
- A detailed description of the sediment, including its source, time of collection, composition, known physical or chemical properties, and any information that appears on the sample container or has been provided by the Sponsor.
- The source and characterization of the overlying water.
- A description of any aeration performed on test solutions.
- Percentage of test organisms that died in all treatments (samples).
- The minimum dissolved oxygen concentration, range in test temperature and pH, and all visual observations of test solutions.
- Any deviations from protocol.



ENSR Proj. # 8505-245 Prot. No.: DMNJ.BSED Effective 5/95 Page 5 of 5

#### 6.0 LITERATURE CITED

ASTM. 1992. Standard Guide for Conducting Sediment Toxicity Tests with Freshwater Invertebrates. E13823-92. Annual Book of ASTM Standards, Volume 11.04, Section 11, Water and Environment Technology.

Ingersoll, G., J. Dwyer, P. Winger, A. Burton, G. Ankley, T. Norberg-King, B. Hoke, D. Bedard, K. Day, and P. Landrum. 1994. Standard Test Methods for Measuring the Toxicity of Sediment-Associated Contaminants with Freshwater Invertebrates. EPA 600.R-94/024.

#### 7.0 PROCEDURAL COMPLIANCE

All test procedures, documentation, records, and reports will comply with USEPA (1989) general guidance on quality assurance related to effluent toxicity testing. To this end, random audits of the test may be scheduled while the test is in progress. The raw data will be checked and compared to protocol requirements and Standard Operating Procedures, and the final report will be audited for accuracy and signed, if satisfactory, by the Study Director and an individual form the Quality Assurance Unit.

#### 8.0 PROTOCOL AMENDMENTS AND DEVIATIONS

All changes (i.e., amendments, deviations, and final report revisions) of the approved protocol plus the reasons for changes must be documented in writing. The changes will be signed and dated by the Study Director and maintained with the protocol.

9.0 STUDY DIRECTOR APPROVAL

Study Director:

APPENDIX C

TEST DATA

Page \_\_\_\_ of \_\_\_\_ FCETL QA Form No. 051 Revision 3 Effective 12/94

#### TOXICITY DATA PACKAGE COVER SHEET

AB5-23-95

est Type: Acute (Sub)Chronic	Project Number: 8505-245-220
est Substance: Effluent Other Sediment	Species: Daphnia magna
lution Water: Receiving Receiving Match Effluent Match Mod. Hard Hard Very Hard Other (Specify):  lution Water RW# or ENSR#: 176 / / /  SETL Sample Number: 7788 / 7790 / /  silection Date and Time:From: 4/28/45 @ 1438 / 4/28/4  To: @ /  ate and Time Test Began: 5/4/95 @ 1530  otocol Number: 0mn), 4550	Organism Lot of Batch Number: 050395  Age: \( \text{Age} \) \( \text{Lage} \) \( \te
2) set Temperature: 20±1°C Env. ChmbyBath #: 24	pH Control?: Yes No If Yes, give % CO2:  Test Chambers: 10-ml 16ss beakers
est Solution Vol.: 40 ML Number of Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree ength of Test: 48 Mrs. Number of Organisms per Replicates per Tree english	atment: 8 plicate: 5
est Substance Characterization Parameters and Frequency:  H <sub>3</sub> : Day 0, 2 pH: Dally	Hardness: day 0, 2 Alkalinity: day 0, 2  Conductivity: Day 0, 2 TRC: Initration
est Concentrations (Volume: Volume): Control, Updream gency Summary Sheet(s)?: None Yes (Specify):	•
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Page \_\_\_\_ of \_\_\_ FCETL QA Form No. 052 Revision 1 Effective 2/93 MA 5-23-95

### ACUTE BIOLOGICAL DATA

Project Number: 8595-245-220				
Test Species (Circle): C. dubia D. magna D. pulex	P. promelas	O. mykiss	Other (Specify):	

					Numbe	r of Survivi	ng Organisms
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FCETL QA Form No. 053
Revision 1
Effective 2/93

ABS-23-95

### **ACUTE CHEMICAL DATA**

Project Number: 8505-245-220 Test Species (Circle): C. dubia (D. magna) D. pulex P. promelas O. mykiss Other (Specify):

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FAGE 1 of 6 FCETL QA Form No. 053 Revision 1 Effective 2/93 DAP 5-23-95 AB5-23-95

### **ACUTE CHEMICAL DATA**

Project Number: 8505-245-220 Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss Other (Specify):

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FCETL QA Form No. 056 Revision 1

Effective 2/93 pap 5-23-95 AB5-23-95

#### **TEST MATERIAL CHARACTERIZATION**

Project Number: 8505-245-720 Test Species (Circle): C. dubia (D. magna) D. pulex P. promelas O. mykiss Other (Specify):

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Page 6 of 6
FCETL QA Form No. 055
Revision 2
Effective 1/94

DAP 5-23-95

AB 5-23-95

### DAILY TOXICITY TEST LOG

Project Number: 8505-245-220				
Test Species (Circle): C. dubia 5. magna D. pulex	P. promelas	O. mykiss	Other (Specify):	

	T		<b>T</b>
Generai Comments		Feeding  Worle	Initials/Date
Test Day 0	Test Solution Mixed at: Test Organisms Added at: Trigetted w/100% 02 For 10Sec. prior to initration (65) 5/4/95 After minution test chamber were re-rejected w/ 100% 02 For 10 Sec	Noise	5/4155
Test Day 1	Inected w/1002 02 ofter reading the 18st 5/19/95 as	Done	25 515/45
Test Day 2		NONE	5/6/95
Test Day 3			
Test Day 4			
Test Day 5			
Test Day 6		<u>-</u>	
Test Day 7			
Test Day 8			

#### NOTICE ABOUT OVERSIZED MAP

THIS MAP CAN BE FOUND IN THE SITE FILE LOCATED AT: U.S. EPA SUPERFUND RECORDS CENTER, 290 BROADWAY, 18<sup>TH</sup> FLOOR, NY, NY 10007. TO MAKE AN APPOINTMENT TO VIEW THE MATERIAL PLEASE CONTACT THE RECORD CENTER AT (212) 637-4308.

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#### **ATTACHMENT 9E**

Description of Discharge and Response/Resolution

September 25, 1990 Letter

Waste Disposal Documentation

#### **ATTACHMENT 9E**

9(E). Provide a description of the discharge and the response and resolution.

- A phenol leak occurred at the facility on March 26, 1986. Approximately 5 to 10 gallons of phenol flowed out of a fitting on top of the phenol tank into the containment basin. A small quantity sprayed into the air and onto the asphalt pavement surrounding the dike. Napp notified NJDEP and the Borough of Lodi regarding the incident. The material was cleaned up and no regulatory action was required.
- In 1987, Napp discovered the presence of PCBs in the soil during pipeline modification in the P&B Area. Although Napp had no knowledge of any release from its operations, it took responsibility for the remediation of the soil. The remediation was completed to EPA's satisfaction. See attached September 25, 1990 letter.
- Napp notified NJDEP in 1993 of an historic discharge. In connection with construction activities, excavated soils appeared to contain a non-soil component that exhibited a magnetic quality. Conversations with long-term employees revealed that a predecessor site owner may have used iron as a catalyst in its manufacturing operations. Napp properly characterized and disposed of the excavated soil.
- On April 21, 1995, an industrial accident at the site resulted in a fire and explosion, destroying a portion of the site and causing the plant operations to be permanently discontinued. Napp immediately initiated emergency response procedures, and is currently in the process of closing the site under ISRA. Activities conducted to-date include:
  - Immediate remedial cleanup of the explosion area including the removal of all reactive and hazardous materials.
  - Construction of a perimeter berm to prevent off-site migration of contaminants.
  - Regulatory interface with the NJDEP, U.S. Department of Labor (OSHA), USEPA, county and city agencies.
  - Performance of sampling activities to determine the short term impact the fire and explosion had on the environment and the characterization of waste materials and chemicals for disposal purposes. These sampling activities included a bioassay of sediments in a nearby stream, and collection of surface water, soil, ground water, and waste material.
  - Characterization, segregation, and removal of various chemicals, products, and waste from the site.
  - Cleaning of all manufacturing reactors and associated lines.
  - Removal of product ASTs followed by cleaning with high pressure water.
  - Containment, sampling, and disposal of all run-off rain waters and decontamination rinseate.
  - Sampling, transportation, and disposal of all generated waste streams.

As requested by NJDEP, waste disposal documentation is provided as an additional attachment under separate cover.



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September 25, 1990

Ms. Amy Brochu U.S. Environmental Protection Agency Region 2 Edison, New Jersey 08817

Re: Letter Report for Napp Chemicals Inc., EPA ID No. NJD001315282

Dear Amy:

After review of the available background information for the Environmental Priorities Initiative (EPI) PA, Napp Chemicals Inc., a recommendation of NO FURTHER REMEDIAL ACTION PLANNED (NFRAP) is proposed. Napp Chemicals is located at 199 Main Street, Lodi, Bergen County, New Jersey. This PA is authorized under TDD No. 02-9005-20. The recommendation is based on the following findings:

- On November 5, 1981, a RCRA Inspection was conducted. The inspection reported administrative violations and an unlabeled drum on site.
- On July 8, 1982, Napp Chemicals requested to withdraw its permit application and terminate its interim status as a hazardous waste facility as it would no longer operate as a treatment, storage or disposal facility (TSDF). Plant effluent is discharged under permit to the Passaic Valley Sewage Commission public treatment works. Solid waste from this facility is disposed of within 90 days at a facility licensed for hazardous waste disposal.
- On May 31, 1984 Napp Chemicals' SO1 storage activity was delisted by U.S. EPA Region 2 since wastes are disposed of within 90 days. T01 to T04 tank treatment was delisted because of the RCRA elementary neutralization exemption. The New Jersey Department of Environmental Protection (NJDEP), Bureau of Hazardous Waste Engineering does not recognize the RCRA exemption. The facility was referred to NDJEP, Division of Water Resources for evaluation as an industrial waste management facility (IWMF).
- On July 25, 1986, the NJDEP determined that Napp Chemicals should be regulated under the New Jersey Water Pollution Control Act (NJWPCA). Since Napp Chemicals pretreats its waste, it is classified as an IWMF. The waste treatment also qualifies as an "elementary neutralization unit," since the facility neutralizes all corrosive hazardous wastes and is regulated under the scope of the NJWPCA. Napp, as an IWMF, is not required to obtain a New Jersey Pollution Discharge Elimination System/Significant Individual User (NJPDES/SIU) permit.
- On September 24, 1987, Napp received sampling results from soil samples collected under an existing floor slab that were collected during pipeline modification. The composite soil samples revealed the presence of polychlorinated biphenyls (PCBs). The management has no knowledge or information that PCBs were ever used at the facility. However, transformers owned by the Public Service Electric & Gas Company are approximately 15 to 20 ft from the area of contaminated soil and may have been the source of the contamination.





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A Halliburton Company



Ms. Amy Brochu U.S. Environmental Protection Agency September 25, 1990 - Page Two

7

- Napp Chemicals was unable to determine the source of the PCB contamination. The company took the responsibility for the remediation of the contaminated soil. Two manifested shipments of contaminated soil dated September 29, 1988 and January 31, 1990 were disposed of off site. The excavation was back filled and an impermeable concrete surface was placed over the excavation.
- On September 27 and 29, 1988, Napp Chemicals was cited for a number of administrative violations regarding health and safety. These violations were again noted on October 19, .
   1989. The company shortly after complied and no further action was recommended.

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Groundwater in the area is used as a source of potable water and lawn irrigation. The closest well is located in Lakewood Cemetary, Saddle Brook approximately 0.75 mile north of the facility. A population of 700 people is served by domestic wells; however, access to the public supply system is available. The Saddle River is located 200 feet west of the facility. The river is classified for primary and secondary contact recreation use. There is no intake for potable supply or irrigation use within 3 miles downstream of the site. There is no freshwater or coastal wetland greater than 5 acres in area located within 2 miles downstream of the site.

**U**'

The NFRAP recommendation is based on the facts that there are no reports of any miscellaneous spills or dumping of hazardous wastes at the Napp Chemicals Lodi facility and that PCB-contamianted soils have been removed and disposed of off site. In addition, the masonary floor under which the PCBs were detected has been replaced with an impermeable concrete slab. Consequently, there is no significant threat to the groundwater or surface water potable supplies and the environment.

If you have any questions, please feel free to contact me.

Very truly yours,

Jennifer Leahy

Reviewed and Approved:

**JL/bgp** 

**Attachment** 



### Napp Technologies, Inc.

Lodi, New Jersey

Preliminary Assessment Report

Attachment 9E: Waste Disposal Documentation

**ENSR** Consulting and Engineering

February 1996

Document Number 9500-196-20P

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#### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

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Manifest Number					

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

la Approval/Lab Code: AL38153 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D001

Sub Categories:

HIGH TOC IGNITABLE CHARACTERISTIC LIQUIDS

Constituent(s):

METHANOL

See sack for descriptions of classification groups and classification group certification statement.

certify that believe that the information I submitted herein is true, accurate and complete

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Date: 5-4-50

m 8700-22 (Nov. 9/88) Provious additions are six

### Bureau of Waste Management P.O. Box 8550 Harrisburg, PA 17105-8550

Form approved. OMB No. 2050-0039

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eclity owner or Operator: Certification of rece Printed/Typed Name	pr or nazeroous materials co	vered by this manifest Signature		ed in item 19.			МОНТН	DAY YE		
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# United Cooperage

Fax (609) 768-974

Berlin, NJ 08009

P.O. Box 22

AC		OMER PO	
QUANTITY	DESCRIPTION	PRICE	AMOUNT
153 115 268	When empty dums Used Find priom		
RE	EMPTY DRUM CERTIFICATION		

(609) 767-6644

1-800-775-6645

Signature 2 With regard to most regulated residues, EPA's 40 CFR 261.7 says:

Department of Transportation, 49 CFR 173.29.\*\*

"A container. . . is empty if:

(I) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating.

regulations, 40 CFR 261.7°, and that they have been properly prepared for transportation under the regulations of the U.S.

Print Name

(II) No more than 2.5 centimeters (one inch) of residue remain on the bottom of the container, ..."

EPA has explained this rule, saying that "one inch of waste material is an overriding constraint and may remain in an empty container only if it cannot be remeved by normal means. The rationale for this provision is that there are certain tare and other extremely viscous materials that will remain in the container even after the container is emptied by normal means."

For residues of products specifically listed by name in 40 CFR 261.33(e), EPA says the container is empty only "If the container. . has been triple-rinsed using a solvent capable of removing" the product, or has been cleaned by another method shown to achieve equivalent removal.

 $\sim$  DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the drum were full of its original contents. A DOT shipping paper is not required for transportation of a drum for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.

"DEALER IN STEEL DRUMS"

877490145



DELIVERY TICKET
CUSTOMER COPY

3 GREAT VALLEY PARKWAY MALVERN, PA 19355-1424

JUSTOMER NO.: 2170-

ORDER NO.: 17=8001-01

ORDER DATE: 5704795

PAGE:

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### Page \_\_\_\_ of \_\_\_

### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name:		CHEMICALS	INC	Generator EPA ID Number:	NJD001315282	
•	PAE 4	136602				- '
Manifest Number:				_		

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CF Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeepir requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(c

.la Approval/Lab Code: AL38153

Waste Water: N Non Waste Water: Y U

UHC's: Y Class Group: A

Waste Codes: D001

Sub Categories:

HIGH TOC IGNITABLE CHARACTERISTIC LIQUIDS

Constituent(s):

METHANOL

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: Total McClinical

Title: 1845 +20

Date: 5-5-95

OFFE 8700-22 (Rev. 9/88) Provious editions are obseriete

### PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

### Bureau of Waste Management P.O. Box 8550

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S. Discrepancy indication Space					······································	1	
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5. Transporter 1 Company Name	73-3900	6. US EPA 10 Number	<del></del>	C. State Tra			
199 MAIN STREET P O BOX LODI NJ 07644				B. State Ge	AE 4	100	<u>ouz</u>
3. Generator's Name and Mailing Address	<del>J D O O 1 3 1 5 2</del> NAPP CHEMICALS I	<del>0 - 2 </del>	005	A. State M.	required by	Number	
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1-WM-51 REV. 10/94	Harrisburg, Pr OFFICIAL PENNSYLVA	A 17105-8550	RM				OMB No. 206 Expires 9-30-

877490148

### PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES **Bureau of Waste Management**

P.O. Box 8550

Harrisburg, PA 17105-8550

OFFICIAL PENNSYI VANIA MANIFEST FORM

Form appr OMB No. 2

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	classified, packed, marked and labeled and are in all respects in proper condition.  If I am a large quentity generator, I certify that I have a program in place to practicable and that I have selected the practicable method of treatment, storage, the environment; OR, if I am a small quantity generator, I have made a good failt	reduce the volume and toxici or disposal currently symitable	ity of waste o	enerated to	the degree I have	e determined kature threat to	to be eco
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STRAIGHT BILL OF LADING

### REPUBLIC ENVIRONMENTAL SYSTEMS

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Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

# REPUBLIC ENVIRONMENTAL SYSTEMS

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TRANSPORTER REPUBLIC ENV	SYS (TRANS GR	OUP)			215 822- 982661381	2676	
PRINT NAME		SIGNATURE			D	ATE	
TSDF ARRIVAL TIME		REASON FOR DELAY				····.	
TSDF DEPARTURE TIME	· · · · · · · · · · · · · · · · · · ·						
FINISH TIME  CONSIGNEE/TREATMENT/STORAGE  SIGNED TO REPUBLIC ENV.	SYS (PA), INC.		S -2869 SA	NOSTONE			
PRINT NAME	NCE OF THIS WASTE F		ISPOSAL		966-9777	_DATE	

White - GENERATOR FILE Blue - TRANSPORTER FILE Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE



PAE 4 1 3 6 8 6 0  Manifest Number:  The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In ac requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to p Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels proval/Lab Code: AL38153 Waste Water: N Non Waste Water: Y UHC See Codes: D001  Sub Categories:  THANOL  Sub Categories:  Constituent(s):	ccordance roperly is	te with the vimanage my in 40 CFR	waste analy waste(s) ii	rsis and rec n compliar RCRA secti	cordkeep ice with
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TOC IGNITABLE CHARACTERISTIC LIQUIDS  Constituent(s):					
			•		

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.



### REPUBLIC ENVIRONMENTAL RECYCLING SYSTEMS (NEW JERSEY), INC.

P.O. BOX 275, CENCO BOULEVARD CLAYTON, NJ 08312 (609) 881-7400 (609) 863-9415 FAX

**BILL OF LADING** 

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# State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator s U	SEPAID No.	Manifest Document No.	2. Page 1 of	is not re	ion in the s quired by	Federa
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7. Transporter 2 Company Name		8. US EPA ID N		D. Transpor	ner's Phone	** X	البود
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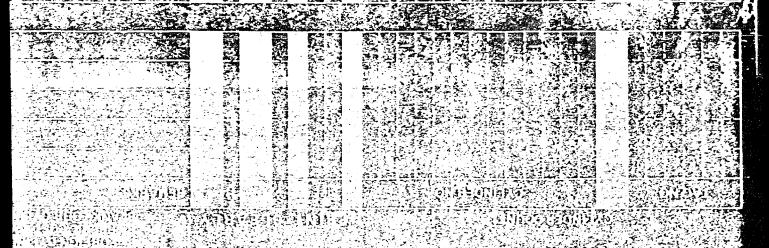
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# State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421 Igned for use on elite (12-pitch) typewriter.)

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<b>₩</b> : [∑] ‰	X: 201-478-8548 PHONE: 201-478-	- <del></del> [ -597)	PHONE: 814	561-6000	FAX: 20 PHK	1-25-000+ NE: 201-478-0000		
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### Bureau of Waste Management P.O. Box 8550 Harrisburg, PA 17105-8550

### Harrisburg, PA 17105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-0039
Expires 9-30-96

IAZARDOUS ANIFEST N 1 D 0 0 1 3 and Mailing Address NAPP CHEMI STREET P 0 BOX 900	JS EPA ID No.					
and Mailing Address NAPP CHEMI	15282 : 1./	Manifest Scurperists. 6	2. Page of		Federal law	ue border is not but may be
STREET P O BOX 900			A. State	Manifest Document		136
07644			B. State	Gen. ID SAME	<u> 137</u>	136
201 773-3900					-	
P P P P P P P P P P P P P P P P P P P	8. US EPA ID Number	502.		Trans. ID A-AH	506	
npany Name	8. US EPA ID Number	3 2 2	<del>                                     </del>	sporter's Phone (		322-8995
ENV SYS (TRANS GROUP) P	A D 9 8 2 6 6 1 3	3 8 1		Trans. 1D A-AH		_
ENV SYS (PA), INC.				sporter's Phone (	0 3 1 215 8	./ 322-2676
DSTONE DRIVE	<b>ADDDE COOF</b>			Facility's ID		2005
	<u> ADO856905</u>	12. Conta		13.	5 822- 14. Unit	L Waste No.
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nstructions and Additional Information				ICY PHONE	2011	27-75
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IO OPPITION TON	condition for transport by Inghway ac	cording to applic xicity of waste or	adie intern enerated t	anonal and national ( the decree i have	government determined	regulations. In he economic
I'S CERTIFICATION: I hereby declare that the , marked and labeled and are in all respects in proper e quantity generator, I certify that I have a program in	place to reduce the volume and to:		minimize:	the present and fut e best waste manag	ure threat to jement meth	human health od that is avail
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700-22 (Rev. 9/88) Provious editions are obsolete

STRAIGHT

BILL OF LADING

### REPUBLIC ENVIRONMENTAL SYSTEMS

B/L Number 393264 1/1							
DE PICKUP EPA IDENTIF	FICATION CODE NO NJOCOL		<del></del>				۱(
GLINERATOR NAPP CHEMICALS INC	ADDRESS	199 MA					
CITY	SIAIF ''	D DEMEN				73-3900	. ]
HATFIELD PA 19440  FROCKLOWAPF CHEMICALS INC  PROCESSING PROCESSIN	_						
	lazard Class, and ID Number)	No.	Туре			Waste No.	_
a. RQ WASTE ACETONE, 3, UN1090, PG II		3	DM	165 ct.	G	F 0 0 3	-
La maste noctone, 3, unlose	, PG II	82	DF	4,675	6	F003	-
C.							•
d.	·						•
HATFIELD PA 19440  JF PICKURAPP CHEMICALS TINC  EPA IDENTIFICATION CODE NO NODO01315282  ADDRESS 193 MAIN STREET  AND I MAIN MAIN MAIN MAIN MAIN MAIN MAIN MA	•						
L E 138182 SOL	d						
Н						1 1 1	•
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11'15			<del></del>			<del></del>	4
1: 20		ATFIELD PA 19440  ODE NO. NJOUDI 15282  ADDRESS 199 MAIN STREET  STATE N. 2/P 07644  BROKER: ENSR REPEDIATION & CONSTRUCTIO  Containers No. Type Ouenity Unit Waste No.  And ID Number)  BY 155 C-7.  G F 0 0 3  Emergency Phones 201 - 773-3900  C  d  INSTRUCTIONS / REASONS FOR DELAY  LOAD & Label Drunc  Courately described above by proper shipping name and are classified, packed, marked highway accycling to applicable interpational and national governmental regulations. I ure Label Drunc  BOX PICKED UPS  EMP 15 822-8995  FPA ID NO. PAD085690592  SIGNATURE DATE  PHONE NUMBER 215 822-2676  EPA ID NO. PAD085690592  NTIFICATION CODE NO. PAD085690592					
DEPARTED COSTOMER							
DELAY TIME 4 17 17 17 17 17 17 17 17 17 17 17 17 17	HATFIELD PA 19440  INC  INC  EPA IDENTIFICATION CODE NO.  ADDRESS  STATE  BROKER:  STATE  BROKER:  Shipping Name, Hazard Class, and ID Number)  O, PE II  BETT TOTAL  No. Type  Counting Willy Unit Willy Willow  No. Type  Counting Willow  No. Type  Counting Willow  No. Type  Counting Willow  No. Type  Counting Willow  No. Type  Counting Willow  Reson No.  G F 0 0 3  D M  BETT TOTAL  No. Type  Counting Willow  Reson No.  Counting Willow  Reson No.  Counting Willow  Reson No.  Counting Willow  Reson No.  Counting Willow  Reson No.  Counting Willow  Reson FOR DELAY  LOAD & Lakel Drun  Load C Lakel Drun  Special instructions / Reasons FOR DELAY  LOAD & Lakel Drun  Special instructions / Reasons FOR DELAY  Load & Lakel Drun  Special instructions / Reasons FOR Delay  Load C Lakel Drun  Special instructions / Reasons FOR Delay  Load C Lakel Drun  Special instructions / Reasons FOR Delay  Load C Lakel Drun  Special instructions / Reasons FOR Delay  Load Lakel Drun  Special instructions / Reasons FOR Delay  Load C Lakel Drun  Special instructions / Reasons FOR Delay  Load Lakel Drun  Special instructions / Reasons FOR Delay  Load Lakel Drun  Special instructions / Reasons FOR Delay  Load Lakel Drun  Special instructions / Reasons FOR Delay  Load Lakel Drun  Load Lakel Drun  Load Lakel Drun  Load Lakel Drun  Special instructions / Reasons FOR Delay  Load Lakel Drun  Load L						
"I hereby declare that the contents of this consignment are and labeled, and are in all respects in proper condition for also certify that all times listed above are true and correct.	transport by highway according to	eve by prope applicable in	r shipping iternations	al and national gover	sified, pac rnmental r	ked, marked egulations." I	
TRAILER 3120	BOY SPOTTED	BOY	ICKED III	P# 111	JED.	Waste No.  G F 0 0 3  F 003  3700  Latel Drun  acked, marked at regulations." 1  - 75	
THAILERS 57	BOX SPOTTED#						
TRANSPORTER #1							
COMPANY REPORTE EIV. 515.		EPA ID	NO			12-9-ST	
PRINT NAME ( NON 130°	SIGNATURE	ang _	way				
COMPANY REPUBLIC ENV SYS (TRANS C	SROUP)						
PRINT NAME	SIGNATURE			D	ATE _		
TSDF ARRIVAL TIME	REASON FOR DELAY						
	HATFIELD PA 19440  ICXURAPP CHEMICALS INC  EPA IDENTIFICATION CODE NO. NUMBERS  BOS INCHEMICALS INC  STATE NO. 200 70544  PHONE 201 773-3900  BOS ICENENSTEIN  BEROKER ENSR REPUBLIC ENV. SYS. (PA)  HINTORIAL INSTRUCTIONS / REASONS FOR DELAY  LOAD & LABEL Brun.  BEROKER ENSR REPUBLIC ENV. SYS. (PA)  HINTORIAL INSTRUCTIONS / REASONS FOR DELAY  HINTORIAL INSTRUCTIONS / REASONS FOR DELAY  HINTORIAL INSTRUCTIONS / REASONS FOR DELAY  LOAD & LABEL Brun.  BOX PICKED UPP  BOX PICKED						
HATFIELD PA 19440  JF PICKURAPP CHEMICALS TINC  FOR LOSS TO THE PATENTIFICATION CODE NO. NUMBER 1987 PATENTS TREET  ADDRESS 1987 PATENTS TO 7644  PHONE 201 773-3900  TAGET BUS LICEMENSTEIN  STATE NO. 1790  STATE NO. 1790  SO OT Description (Including Proper Shipping Name, Hazard Class, and ID Number)  RE VASTE ACETORE, 3, UN1090, PS 11  JO M. 1790  RE VASTE ACETORE, 3, UN1090, PS 11  JO M. 1790  RE VASTE ACETORE, 3, UN1090, PS 11  JO M. 1790  RE D38182 SO1  C  FOOJ  HOLD OF THE PROPERTY PROPER							
CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILIT	HATFIELD PA 19440  MARPY CHEMICALS INC SPA IDENTIFICATION CODE NO. MJD0001315282  ADDRESS 199 MAIN STREET  ADDRESS 199 MA						
					<del></del>		1
THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE	TE_ <b>PA</b> ZIP_1944 FOR TREATMENT STORAGE D		HUNE_2	<del>!15 822-8995 _</del>			1
PRINT NAME					_ DATE		

NO IN	SAZLEMR EUNIKONWEN KFILMRPIC	TAL LAN	D DISPOSAL RI	ESTRICTION	NOTIFIC	CATION CERT
•	Generator Name: _		CHEMICALS	INC	G	Senerator EPA ID Nui
		DAFA	177176			

NVIRONMENTA							Page	
SYSTEMS		ISPOSAL RESTRI	CTION NOT	FICATION (				
Generator Name:		EMICALS INC		_ Generator EPA	ID Number:	NJD001	315282	
	PAE4137	136						
Manifest Number:				_				
Part 268, to the treat requirements specific	tment, storage of ed in 40 CFR 20	de appropriate notification r disposal facility which 68.7. I have indicated be standards found in 40 CF.	receives the waster low the relevant in	referenced below formation require	v. In accordance ed to properly ma	with the war anage my w	ste analysis and r aste(s) in compli	ecordke ance wit
val/Lab Code:	ED38182	Vaste Vater:	N Non Vast	e Water: Y	UHC's: Y	Class	Group: A	
Codes: F003	0001							
- F005 SOLVENT TOC IGNITABLE		Sub Categories (CEPT THOSE NOTE ISTIC LIQUIDS Constituent(s)	D IN OTHER S	JBCATEGORIES	5			
NE '							-	
	•							
•								
-		•						

See back for descriptions of classification groups and classification group certification statement. Signature: \_



### **Bureau of Waste Management**

# P.O. Box 8550 Harrisburg, PA 17105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved. OM8 No. 2050-00

Ĭ	UNIFORM HAZARDOUS  1. Generator's US EPA ID N	o. h	lanifest	2. Page	1 Information w		lue border is not
	WASTE MANIFEST N 1 D C D 1 3 1 5 2	82 137	T36	of	required by F		but may be
	3 'erator's Name and Mailing Address NAPP CHEMICALS I	INC		A. State	Manifest Document N		126
ı	199 MAIN STREET P O BOX 900			B. State	Gen Iff	<u>LOI</u>	136
	LODI NJ 07644				SAME		
	5. Transporter 1 Company Name	6. US EPA ID Number			Trans. ID		
	REPUBLIC ENV. SYS. (PA) PADO	8 5 6 9 0 5 8. US EPA ID Number	9.2	P <i>F</i>	N-AH	0.6	209
	1				porter's Phone (	215	<u> 822-8995</u>
l	REPUBLIC ENV SYS (TRANS GROUP) PAD 9 9. Designated Facility Name and Site Address	9 8 2 6 6 1 3 10. US EPA ID Number	8 1	1 .	<b>Λ_ΔΗ</b>		
l	REPUBLIC ENV SYS (PA), INC.				porter's Phone (	215 1	<u> </u>
l	2869 SANDSTONE DRIVE			G. State	Facility's ID	-2.1.1	
	HATE IFI D PA 19440 PAD 0	856905	9 2 12. Conta			822	8995
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number	· · · · · · · · · · · · · · · · · · ·	No.	Туре	13. Total Quantity	14. Unit Wt/Vol	Waste No.
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i G	b.			D M	-,,-,	G	F 0 0 :
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R	[c.	City	105	V'	70.0	-	<del></del>
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	ional Descriptions for Materials Listed Above			K. Handlir	ng Codes for Wastes i	Jsted Abo	(
	Pack Physical State Lab Pack	Physical State	<u> </u>	K. Handlir	ng Codes for Wastes i	Jated Abo	(
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	D. ☐ Physical State Lab Pack  ED38182  c. ☐  D. ☐ FD38182  d. ☐	Physical State	EM	• so	1   c.		
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	a. ED38182 c. ED38182 b. ED38182 d. ED38182 15. Special Handling Instructions and Additional Information 11A - D001  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of classified, packed, marked and labeled and are in all respects in proper condition to	this consignment are fully rearsport by highway acc	and accurately	b. SO	above by proper ship	POI)	273-370
	a. ED38182  b. ED38182  c. ED38182  b. ED38182  d. ED38182  15. Special Handling Instructions and Additional Information  11A - D001  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of classified, packed, marked and labeled and are in all respects in proper condition for it I am a large quantity generator, I certify that I have a program in place to reparticipate and interest and interes	this consignment are fully transport by highway accoduce the volume and tox office the volume and tox office the volume and tox office the volume and tox office the volume and tox office the volume and tox of is now a construction of the volume and tox of the volu	and accurately ording to applic city of waste go	b. SO	above by proper ship ational and national and national and the transport have and the first the property and the first the first the property and the first the property and the first the first the first the first the property and the first the first the first the first the first the first the first the first the firs	POI)	and are regulations. to be sonomical by the sonomical of
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TRANSPORTER	a. ED38182  b. ED38182  c. ED38182  b. ED38182  d. ED38182  15. Special Handling Instructions and Additional Information  11A - D001  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of classified, packed, marked and labeled and are in all reve a program in place to repracticable and that I have selected the practicable method of treatment, storage, of the environment; OR, if I am a small quantity generator, I have made a good faith a to me and that I can afford.  Printed Typed Name  CASON SOCIETY OF SOCIE	this consignment are fully rearsport by highway according to the volume and toxic disposal currently available of the second of the second constant of the secon	and accurately ording to applic city of waste go	b. SO	above by proper ship ational and national and national and the transport have and the first the property and the first the first the property and the first the property and the first the first the first the first the property and the first the first the first the first the first the first the first the first the firs	ping name overment elemined re threat to ment month   O . S	and are regulations, to be economical thuman health ar lod that is availab  DAY YEAU O 9 9 5  DAY YEAU O 9 9 5
TAANSPORTER	a. ED38182  b. ED38182  c. ED38182  b. ED38182  d. ED38182  15. Special Handling Instructions and Additional Information  11A - D001  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of classified, packed, marked and labeled and are in all reve a program in place to repracticable and that I have selected the practicable method of treatment, storage, of the environment; OR, if I am a small quantity generator, I have made a good faith a to me and that I can afford.  Printed Typed Name  CASON SOCIETY OF SOCIE	this consignment are fully rearsport by highway according to the volume and toxic disposal currently available of the second of the second constant of the secon	and accurately ording to applic city of waste go	b. SO	above by proper ship ational and national and national and the transport have and the first the property and the first the first the property and the first the property and the first the first the first the first the property and the first the first the first the first the first the first the first the first the firs	ping name overment elemined re threat to ment month   O . S	and are regulations, to be economical thuman health ar lod that is availab  DAY YEAU O 9 9 5  DAY YEAU O 9 9 5
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ENVIRONMENTAL

Generator Name:	PAE41373	MICALS INC 24		Generator EPA I	D Number:	NJD001315	5282
Manifest Number:							
art 268, to the treat	ment, storage or dis	ppropriate notification/cer sposal facility which recei ', I have indicated below dards found in 40 CFR 26	ves the wastes r the relevant info	eferenced below. Irmation required	In accordance to properly n	with the waste ana nanage my waste(s)	lysis and recordkeep in compliance with
oval/Lab Code:	AL38153	Waste Water: N	Non Vaste	Water: Y	UHC's: Y	Class Grou	ıp: A
Codes: D001			,				
TOC IGNITABLE	CHARACTERIS'						
ANOL	(	Constituent(s):					
	•						
	_						
/) ā	/ J.	groups and classification					
I hereby certify that I	believe that the inf	rmation I submitted here	in is true, accus	we and complete	•	ر	-10-95



# Bureau of Waste Management P.O. Box 8550 Harrisburg, PA 17105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.

OMB No. 2050-00:
Expires 9-30-96

	TIMEST REV. IMP							-
1	UNIFORM HAZARDOUS  WASTE MANIFEST  N J D 0 0 1 3 1 5 2	ر. س	Support NO.	2. Page of	required !	on within the bi by Federal law i by State law.	ue border is not out may be	
	3 rator's Name and Mailing Address NAPP CHEMICALS			A. State	Manifest Docume	nt Number		1
	9 MAIN STREET P O BOX 900	= V V V	. '			4137	324	. 1
	LODI NJ 07644		•	B. State	Gen. ID SA	YE .		
	201 773-3900 5. Transporter 1 Company Name	6. US EPA ID Number		C. State	Trans. ID			•
-	·	0856905	9 2	P/	A-AH	S D 6	209	
	7. Transporter 2 Company Name	8. US EPA ID Number			porter's Phone (		22-8995	
1		9826613	8.1		Trans, ID N. A. L.J			-
	9. Designated Facility Name and Site Address	10. US EPA ID Number			A-AH	031		
	REPUBLIC ENV SYS (PA), INC. 2869 SANDSTONE DRIVE				Facility's ID	215 8	22-2676	•
		0856905	9 2		<del>i</del> -	215 822-	-8995	•
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Numbe	er)	12. Conta	iners	13. Total	14. Unit	Ĺ Waste No.	
			No.	Туре	Quantity	WI/Vol		
-	<ul> <li>RQ WASTE ALCOHOLS, N.O.S.,3,UN1987,PG I (ISOPROPYL ALCOHOL,METHANOL),(D001)</li> </ul>	<b>1</b> 1 .	1		HOA	<u> </u>		
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}			}					
1			L	K. Handli	ng Codes for Was	tes Listed Abov	re .	1
1	p Pack Physical State Lab Pack	Physical State				1		4
	- L AL38153 - L			a. SC	)1	c.		
	b.	1 1 1		b.		4		
	15. Special Handling Instructions and Additional Information						~~~	
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1					•			
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		· · · · · · · · · · · · · · · · · · ·				<u> </u>		
1	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents classified, packed, marked and labeled and are in all respects in proper condition if it am a large quantity generator, I certify that I have a program in place to	of this consignment are fully for transport by highway acc	and accurately ording to applic	described able intern	above by proper ational and nation	shipping name nal government	and are regulations.	
ŀ	fr i am a large quantry generator, i certify that i have a program in piace to practicable and that i have selected the practicable method of treatment, storage, the environment; OR, if i am a small quantity generator, I have made a good faith	or disposal currently availab	ble to me which	n manamize:	s the present and	ruture threat to	numen headh	
İ	to me and that I can afford.  Reprined(Typed Rane	signatura (A	- /)	$\cap$	<u> </u>	MONTH	DAY YE	
1	HIM (FAZOLUICK:	TUX Ya	da	1/20	<b>/</b> 、	105	1/019	
Ţ	17. Transporter 1 Acknowledgement of Receipt of Materials	Signature O				MONTH	DAY YE	
AN	Crate Thomson	Signature	in	5m_1	~	10.5	17 016	
0	18. Transporter 2 Actinosfedgement of Receipt of Materials	1 Stanton		1=		MONTH	DAY YE	
RTER	Printed/Typed Name	Signature				1	1 1	
	19. Discrepancy Indication Space				<del></del>		<del></del>	
F				•				
C								1
Ĺ	cility owner or Operator: Certification of receipt of hazardous materials covered b		ted in Item 19.			MONTH	DAY YE	(
Ť	/rinted/Typed Name	Signature				ancerter 1	, , , , , , , , , , , , , , , , , , ,	•

IN CASE OF AIT CIT.



# United Cooperage

Nº 3519

CORPORATION

P.O. Box 22	Berlin, NJ 08009	(609) 767-6644	1-800-775-6645	Fax (609) 768-9747
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QUANTITY	DESCRIPTI	ON	PRICE	AMO	UN
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REC'D.	rearga w	HIWIOG &			٠.
•	* EMPTY DRUN	CERTIFICATION	<b>₹</b>		
reby certify that these drulations, 40 CFR 261.7*, a	ums are "empty" as that ter nd that they have been prop	rm is defined in the Nation erly prepared for transport	nal Environmenta ation under the re	l Protection gulations o	ı Aç
partment of Transportation			•.		•
It Name TATHDA	de la la la la la la la la la la la la la			<u> </u>	

877490166

\*\*DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the drum were full of its original contents. A DOT shipping paper is not required for transportation of a drum for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty

other extremely viscous materials that will remain in the container even after the container is emptied by normal means. For residues of products specifically listed by name in 40 CFR 261.33(e), EPA says the container is empty only "if the container...has been triple-rinsed using a solvent capable of removing" the product, or has been cleaned by another

method shown to achieve equivalent removal.

containers



	Generator !	Name:	NAPP CH	HEMICALS INC		Generator EP	A ID Number:_	NJOGO	131528	2
	<sup>4</sup> Manifest N									
	Part 268, to requirement	o the trea its specif	itment, storage ied in 40 CFR	vide appropriate notification/c or disposal facility which rec 268.7. I have indicated below t standards found in 40 CFR 2	eives the wastes w the relevant in	referenced belo formation requi	w, in accordan	ce with the w manage my	vaste analysis waste(s) in c	and recordkeepi compliance with t
3	Approval/Lab	Code:	AD38235	Waste Water: N	Non Waste	Water: Y	UHC's: Y	. Class	Group: /	
	Waste Codes:	D001 (	0002							
		****	CHARACTER	Sub Categories:						
				ISTIC LIQUIDS TES, CWA, CWA-EQUIN Constituent(s):	/ALENT, OR (	CLASS I SD	WA SYSTEMS			
	NO UHC'S IN W	IASTE	•			,				
Ĵ	Approval/Lab	Code:	AD38226	Waste Water: N	Non Waste	Water: Y	UHC's: Y	Class	Group: /	4
	Waste Codes:	D002								
	CORROSIVE CHA	RACTE	RISTIC WAS	Sub Categories: TES, CWA, CWA-EQUIV	ALENT, OR (	CLASS I SD	WA SYSTEMS	·		
	NO UHC'S IN A			Constituent(s):						
	NO SHE 3 IN A	IMSTE								

See back for descriptions of classification groups and classification group certification statement.

**.** 

Page \_\_\_\_or \_

DCN 101-204-F017) Rev. 0 12/95

Generator Name: _	NAPP PAFA1	CHEMI 37851		S INC			_ Generat	or EPA	ID Numb	er:	<u>000En</u>	13152	82
Manifest Number:_					<del></del>		_						
Part 268, to the tre requirements specia	atment, stor	rage or disp CFR 268.7.	osal fac I have i	ility which ndicated b	receives low the	the waste relevant i	s reference nformation	d belov requir	w. In accor ed to prope	rdance erly n	with the value my	vaste analy waste(s) ir	ns set forth in 40 CF sis and recordkeepin a compliance with th CRA section 3004(d
val/Lab Code:	AD3823	0 1	laste	Water:	N Nor	. Waste	e Water:	Υ .	UHC's:	<b>.</b> Y	Class	Group:	A
Codes: D002													
SIVE CHARACTE	RISTIC	ASTES.	CWA,	gories: CWA-EQU ent(s):	IVALEN	IT, OR	CLASS !	SDW	A SYSTE	ems			
C'S IN WASTE		• • • • • • • • • • • • • • • • • • • •											
val/Lab Code:	WD38236	5 k	laste	Water:	N Non	. Wasta	Water:	Υ	UHC's:	Y	Class	Group:	A
Codes: D002													
SIVE CHARACTE	RISTIC ¥	ASTES,	CWA,	<pre>gories: CWA-EQU ent(s):</pre>	IVALEN	T, OR	CLASS I	SDW	A SYSTE	MS			
C'S IN WASTE		•											

See back for descriptions of classification groups and classification group certification statement.

hereby certify that Delieve that the information I submitted herein is true, accurate and complete.

The \_ made

Republic Environmental Systems, Inc.

### REPUBLIC ENVIRONMENTAL SYSTEMS

B/L Number 393332		2337 NORTH PENN ROAI HATFIELD PA 19440	0				
5 11.9	S EPA IDENTIE!	CATION CODE NO. NJD00131	5282	·····			
VERATOR NAPP CHEMICALS	S INC	ADDRESS 🕹	33 LMI	N STR	ET		
LODI		STATE NJ	ZII	076	PHONE	201 7	73-39(
CONTACT: BOB LOEWENSTEIN	<u> </u>	BROKER:	Conta	iners			<del></del>
US DOT Description (Including Pro	per Shipping Name, Haz	rard Class, and ID Number)	No.	Type	Total Quantity	Unit Wt./Vol.	Waste
a. RQ WASTE AMMONIA SOLUTI	ONS, 8, UN2672, PG	HP .		,,,			<del>                                     </del>
							· .
b. RQ WASTE CAUSTIC ALKALI	I TOUTD N O C	0 UN1710 DC TTT		D-M		+ <u>e</u>	000
(SODIUM HYDROXIDE)	FIGUTO' W'O'?'	0,UNI/13,F4 111					
				Dir	_55	G	DOC
c. RQ WASTE FLAMMABLE LIQU		N.O.S.,3,UN2924,PG II			<u>"</u>		
(METHANOL, HYDROCHLORIC	ACID )		41	E	14/00		
d. RQ WASTE FLAMMABLE LIQU	TOC NOC 3 IIN	1993 DC 111		DM	7 / 00	P	DOC
(PROPAGYL ALCOHOL )	103, N.O.3.,3,0N	1333,14 111	2	1			
			A	DAT	30	G	000
Additional Information/Lab Code			_	ency Pho	ne#	_	
a AD38230 S01		c AD38228	SO	1			
b WD38236 S01		d AD38231	SO	)1			
CONTRACT/PO NO.			-				
NO. OF OVERPACKS USED		SPECIAL INSTRUCTIONS / REA	SONS FO	OH DELA	make	UD	
START TIME 5:	30 A	LAGALS AD	9 ,4	ING	171-N3	100	EXX
	co A	- 604D + 1AB			in 3 00	0.5	CER
ARTED CUSTOMER	25218		TU	65			<del></del>
UELAY TIME	37-37						_
GENERATOR CERTIFICATION:	A this consistence to the	illy and positrataly described above	h., n.,	. abianiaa		alfind and	
"I hereby declare that the contents of and labeled, and are in all respects i	in proper condition for tra	ansport by highway according to ap	plicable in	ternationa	name and are class I and national gove	silied, pac irnmental i	kea, marke egulations
also certify that all times listed above	e and correct.	Signature X Kut	1/1	na	E O Date	5-11	- 95
rim valle			1		1		
TRACTOR # 3	ILER# 3900	BOX SPOTTED#	BOX P	ICKED UP	># Li	NER	
			PHON	IE NUMB	ER 215 822	-8995	
TRANSPORTER #1 COMPANY REPUBLIC ENV.	SYS. (PA)				AD085690592		
1=///		SIGNATURE AL	EPA IU	ゔヹ			5-/1-
PRINT NAMEU		SIGNATURE					
TRANSPORTER #2 COMPANY REPUBLIC ENV	SYS (TRANS GR	OUP)			<sup>ER</sup> <u>215 822</u> AD982661381		
PRINT NAME		SIGNATURE				DATE _	
TSDF ARRIVAL TIME		REASON FOR DELAY					
TSDF DEPARTURE TIME							
DELAY TIME				<del></del>			
FINISH TIME	TOTO DO AL SAGUEST	EDA IDENTIFICATION COST NO					
CONSIGNEE/TREATMENT/STORAGE	-						· · · · · · · · · · · · · · · · · · ·
CONSIGNED TO REPUBLIC ENV !		E-PA ZIP 19440					
		OR TREATMENT STORAGE DIS			J 0LL-0333		
FiT NAME		SIGNATURE		<del></del>		DATE.	

STRAIGHT

BILL OF LADING

### REPUBLIC ENVIRONMENTAL SYSTEMS

. 202222 1/2		2337 NORTH PENN ROA	'D				
mber 393333 1/3		HATFIELD PA 19440					
OF PICKUP CHEMICAL	S INC	ICATION CODE NO. NJD00131	5282 99 MA1	N STD	FFT		
root		STATE NJ	ZI	076		201 7	73-3900
NTACT: BOB LOEWENSTE	IN	BROKER:					
US DOT Description (Including P			Conta No.	iners Type	Total Quantity	Unit Wt./Vol.	Waste No.
RQ WASTE CORROSIVE LIG (ISOPROPAL ALCOHOL, HEX			10	25	3500		
RO WASTE CORROSIVE LIG	UIDS, N.O.S.,8,U	N1760,P8 11	70	U/A	3300	P	D 0 0 1
THITRIC ACID			0	DM	0	عود	11.00
NON DOT HAZ SOLID NOT	DOT REGULATED					<del>                                     </del>	
			23	DATE	2050	P	N/A
9.4. WASTE COURS.						2	, , , , , , , , , , , , , , , , , , ,
PROPAL ACCORD	HEXE MUTHY	KENE DISMONEYGII	1	IM	350		1001
itional Information/Lab Code VD38235 S01		。WD34108	S0	ency Pho	ne#		
1038226 -SOT		0 ANYA23	5 50.	/			
ITRACT/PO NO.		SPECIAL INSTRUCTIONS / REA	SONS FO	R DELAY	,		
OF OVERPACKS USED		A A A A A A A A A A A A A A A A A A A		TI DELA	MAKE	W	)
RT TIME	30°t	1000 + 40	LINI ACI	200	TENS DO	<u> </u>	CACCO
AL AT CUSTOMER	15 pm	COT 5/6NA	TUR	25		17	ERAPY GI
AY TIME	25#			-			
I labeled, and are in all respects certify that all times listed above	in proper condition for tr re are true and correct.	ully and accurately described above ansport by highway according to app	olicable in	shipping (	-and national govern	mental r	egulations." I
it Name	J-EKKANEO	Signature / / / / / / / / / / / / / / / / / / /	1		Date _	>-//-	<u> </u>
TOR # 30 TRA	AILER# 3900	BOX SPOTTED#	BOX PI	CKED UP	LINE	ER	
SPORTER #1					R 215 822-	B995	
SPORTER PI	. SYS. (PA)		PA ID	NO. PA	D085690592	<u> </u>	
NAME JOHN	11005	SIGNATURE	خا	as	DA DA	TE _	5-11-79
SPORTER #2	EVE (TDANE CO	200			R _215_822_	2676	<del></del>
NAME REPUBLIC ENV	SYS (TRANS GR	SIGNATURE	EPA ID I	NO. <u>PA</u>	D982661381	TE	
ARRIVAL TIME		REASON FOR DELAY					
DEPARTURE TIME			·	<del></del>			
/ TIME	<u> </u>						
1 TIME	UDICOCAL CACHITY	F04 105NT15NATION 0005 NO					
GNED TO REPUBLIC ENV	SYS (PA) INC.	EPA IDENTIFICATION CODE NO ADDRESS	2960 CA	MOTOM	DOTHE	<del></del> _	<del> </del>
ATFIELD	STATE	PA ZIP 19440	PH	ONE 215	822-8995		
TO CERTIFY THE ACCEPTAN	NCE OF THIS WASTE F	OR TREATMENT STORAGE DISP SIGNATURE	OSAL	-		DATE_	
GENERATOR FILE		Yellow - REPUBLIC (PA) BILLING	DEPART	AENT (DE	TURN TO CENTO		

GENERATOR FILE
RANSPORTER FILE
REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
Goldenrod - TSD FACILITY COPY

B/L Number 393296		2337 NORTH HATFIELD		)				
			NJ000131	5282				
DATE OF PICKUP NAPP CHEMICAL	S INC EPA IDENTIFE	CATION CODE NO	ADDRESS 1		N STR	EET		
LODI		STA		ZII	07 <i>c</i>	44 PHONE	201 7	73-390
TACT: BOB LOEWENSTE	in	BROKI	ER:	Conta	iners	<del></del>	T	
US DOT Description (Including Pr		zard Class, and ID N	lumber)	No.	Туре	Total Quantity	Unit Wt./Vol.	Waste 1
a. WASTE ACETIC ANHYDRIDE	,8,UN1715,PG II							
				11	DAT	660	G	000
b. NOW DOT/RCRA HAZ SOLID	NOT DOT REGULATI	ED		<del>- 4</del> -			† <u> </u>	000
				/	D M	.3.50		
c. NON DOT/RCRA HAZ SOLID	NOT DOT REGULATI	ED			UM		P	N/A
				_		1750		
- NON DOT/RERA HAZ LIQUT	N BIT SOL DECIN A	ren			DM	1750	P	X 7 2
A: HON DOLLYCKY INE FIRM	D NO! DO! ACCOURT	-				$\sim$		
					DM		G	N/A
Additional Information/Lab Code  a AD38108 S01		•	WD23326	Emerg S0	ency Pho 1	ne#		
e ·		C			•			
ь WD28805 S01		<u>d</u>	WD38179		1			
CONTRACT/PO NO.		SPECIAL INSTRUC	CTIONS / REA	SONS FO	R DELA	<b>4</b>		
NO. OF OVERPACKS USED			- A	34 3	4	make	p LA	MCCS
<u> </u>	3050 CA	- HIP 51	5/6~	AIVA	123	poperavy		extros.
DEPARTED CUSTOMER								
Dr 'Y TIME				<del></del>				
ERATOR CERTIFICATION:								
"I nereby declare that the contents of and labeled, and are in all respects	in proper condition for tr	ully and accurately de ansport by highway a	ccording to app	op brober	ernations	name and are class Land national gove	inled, paci rnmental r	ted, marked egulations." I
also certify that all times listed above	CRRAWEU	Signature	Kutt	len	one	Date	5-11-	25
		1	<u> </u>	<del></del>				<del></del>
TRACTOR # 300 TRA	AILER# 3700	BOX SPOTTED	<u> </u>		CKED UF		VER	
TRANSPORTER_#1				PHON		215 822	-8995	
COMPANY REPUBLIC ENV	5.4		- 1/	EPA ID	NO. P	AD085690592		
PRINT NAME 10/1/2/	11335	SIGNATUR	E		Tek	<u> </u>	ATE	5-11-95
TRANSPORTER #2 COMPANY REPUBLIC ENV	CVC (TDANC OF	- C ID \		PHON		R215_822	-2676	
COMPANY REPUBLIC ENV	STS CIRAMS GR	(UUP)	-	EPA ID	NOP	AD982661381		<del></del>
PRINT NAME		SIGNATUR	E				ATE	
TSDF ARRIVAL TIME		REASON FOR DE	LAY		<del> </del>	<del></del>		
TSDF DEPARTURE TIME				~				
DELAY TIME								
FINISH TIME	F/DISPOSAL FACILITY	EPA IDENTIFICATI	ON CODE NO	). DANNE	CONER			
CONSIGNED TO REPUBLIC ENV								
CITY HATFIELD	STAT	E_PA 2	ZIP <del>-19440 -</del>	P				
THIS IS TO CERTIFY THE ACCEPTA		FOR TREATMENT S SIGNATURE		OSAL			_DATE_	
(								

ENERATOR FILE Whit.

Blue - TRANSPORTER FILE

Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR) Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE Goldenrod - TSD FACILITY COPY

nber <u>393297 1/2</u>			2337 NORTH PENN R HATFIELD PA 1944					
LODI	TICALS INC	EPA IDENTIFI	CATION CODE NO. NJD00 ADDRES STATE NJ	s 199 MA.	IN STRE		201 7	73-3900
TACT: BOB LOEWER	NSTEIN		BROKER:	Conta	inere		Т	
US DOT Description (Inclu	iding Proper Shipp	oing Name, Ha	zard Class, and ID Number)	No.	Type	Total Quantity	Unit Wt./Vol.	Waste N
NON DOT/RCRA HAZ	SLUDGE NOT D	OT REGULA	TED	7	DAM	700		
WASTE ACE	TIC ANH	YDNO	(DOO.	2) /	02	55	G	DO0.
fitional Information/Lab Co			C	Emer	gency Phon	e#		
1038/08			đ					
NTRACT/PO NO.  OF OVERPACKS USED ART TIME  RIVAL AT CUSTOMER	5:30 A D.00 A		SPECIAL INSTRUCTIONS /	REASONS FO	OVER DELAY	ante y back f	10 L	98x65 7 + 68 10/6/13
PARTED CUSTOMER Y TIME	3.25 H	· · · · · · · · · · · · · · · · · · ·				`		
	entents of this cons espects in proper of ed above are true	condition for tra and correct.	ally and accurately described at the state of the state o	applicable in		and national gove		egulations.
CTOR # 3₫	TRAILER#	3900	BOX SPOTTED#	BOX P	ICKED UP#	LII	NER	
						215 822		
NSPORTER #1 REPUBLIC	ENV. SYS.	(PA)				0085690592		
IT NAME JOHN	1 TIBI	35	SIGNATURE	the same	22/			-11-7
				PHON	E NUMBER	215 822		
PANY REPUBLIC	ENV SYS (	TRANS GR	OUP)			0982661381		
IT NAME			SIGNATURE				ATE	
F ARRIVAL TIME			REASON FOR DELAY					
- DEPARTURE TIME								
						· · · · · · · · · · · · · · · · · · ·		
Y TIME								•
SH TIME	OPAGE/DISPOSA	L FACILITY	EPA IDENTIFICATION CODE	NO BASSO				

\_ SIGNATURE\_

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
Goldenrod - TSD FACILITY COPY

FORM #102 B (Rev. 1/95)

\_DATE.

<sup>-</sup> GENERATOR FILE

TRANSPORTER FILE

<sup>-</sup> REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

# AD38108 .

D. Waste	Information					
Common Nam	ne of Waste	FLUORESTA	+ OCETEC	ANHORIDE	MEX	
Detailed Desc	ription of Proces	ss Generating V	Vaste. ( A detail	led description m	nust be provided, atta	ch additional sheet
f necessary)	1		4.4			
	122 perce	as of mali	florage	, acetic a	e and 90-95 %	be to form
cention.	Orning Tax	i more re	arter did s	it talle alone	e and 90-95 %	autic alya
inlette	: polition					<b>—</b>
		S KETTE	ANDROSTO 6	ACERC	ACD)	
nan materiale	osos in proces	0				
E. Regula	atory Inform	ation				
a) In this of LIC	EDA hazardaun	waata?	ſ <b>∀</b> Yes		Comments	
	i EPA hazardous : i EPA listed hazar		(N tes	□ No	·	
	rom a listed source		☐ Yes	WNo _		
	B waste regulated		_			
	om or derived from	• •	<del></del> -	₩ —		
,	ate Hazardous Wa		<b>☑</b> Yes	□ No		
•	e generated from	A CEHCLA	[☐ Yes	MO		
cleanup act	oxin bearing waste	e se per 40 CFR	€ 144	[] 140		
part 261.31		7 <b>23 pe</b> i 40 01 11	☐ Yes	<b>⊠</b> No		
	e infectious or me	idical waste?	Yes	ĭ <b>a</b> No		
8) is this wast	e radioactive?		Yes	₽,No		
9) is this wash			☐ Yes	₽ No		
	reste contein debr		- V	(ANO		
	ype & percentage /aste contein met:		☐ Yes rs? ☐ Yes	Ø No		
	das nistnoo etas		٠٠٠ لِي	@ 140 <u> </u>	······································	<del></del>
	ne type) Friable [		] Yes	IZNO		
	raste contain solvi					
	? (If yes, provide			Q No		·
	subject to Benzer			-A.		
(>10 ppm, t	penzene by weigh	it)	☐ Yes	₩o		
E Chemic	al Composi	tion				
			uents. (Trade n	ames are not ac	ceptable)	
	LVORESIN		, , , , , ,	Minimum %	Average %	Maximum %
	_			<b>~~</b>		/0
				<del></del>		
2 ACET	asudina 32	€		90		95
2						
·						-
4			<del></del>			
5						
-						
·				<del></del>		
7						
Total (Must ad	ld up to 100%)			•	•	
						والبراء على المطارات
	al Character	Υ	T			Solvents/Olie/(Optional)
PLACE.	Specific Gravity	Igoliability	Cottodody (pH)	Beactivity	Physical State 70° F	Celoria Corsera STUrger
Odex	0.41.0	East Park	¥ ±2.0	Unexable	☐ Uq./Selld mixture ☐ Solid	% Helopone
	1.0-1.2	□ <70° F	2.01-4 0 5-9 0 9-12.49	☐ Water reactive ☐ Cyardde	Semi-solid D Powder	
MILO	Verzeity	70° F-100° F	9-12-49 12-80	Sufficie	Blayer   Huffleyer	300
☐ STRONG		70 ≥ 140° F	Actual pH:	☐ Generates toxic	% Free Iguide 190	N West
Describe:	Medium   High	ACRUM:		junes   Other	N. York salide	% Botto

AD38108

H. Heavy Metals	Based on:	I I. Toxicity Characte	eristic Organ	ics
₹	Generator knowledge	Total □TCLP	lased on: Generato	r knowledge [K]
Total TCLP	· —		Analysis	
(In parts per millio	n) Actual		n parts per million)	Actual
D004 Arsenic 🔀 < 5		D012 Endrin	<b>Ø</b> <0.02	
D005 Barlum	***	D013 Undane	<i>[</i> 2] <0.4 <i>[</i> 2] <10.0	
D006 Cadmium 🕏 < 1		D014 Methoxychior D015 Toxaphene	77 <0.5	
D007 Chromium 📝 < 5		D016 2. 4 D	7/7 <10.0	
200, 0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		D017 Silvex (2, 4 6-TP)	Ø1<1.0	
27	<del></del>	D018 Benzene	亿 <0.5	
D009 Mercury		D019 Carbon Tetrachioride	<b>₹</b> 7 <0.5	
D010 Selenium 🔀 < 1		D020 Chlordane	<b>Æ</b> ≪0.03	
D011 Silver	the same of the sa	D021 Chlorobenzene	<b>A</b> <100	
Copper		D022 Chloroform	<b>7</b> 21 <6.0	<del></del>
Nickel		D023 O-Cresol D024 M-Cresol	71 <b>2</b> 00	<del></del>
Zinc		D025 P-Cresol	/ <del>1</del> <b>√200</b>	<del></del>
Other (s):		D026 Cresols	77 <b>₹200</b>	-
Ottiel (5).		D027 1, 4 Dichlorobenzene	位<7.5	
		D028 1, 2 Dichloroethane	<b>∕</b> 77 <0.5	
1 Others Comments		<sup>5</sup> D029 1, 1 Dichloroethylens	<b>∕</b> [2] <0.7	
J. Other Components (p	site per million)	D030 2, 4 Dinitrotoluene	∕⊡ <0.13	<del></del>
Cyanides, Total <u>No</u> Am	enable Cyanide No	D031 Heptschlor	€0.008	
	active Sulfide	D032 Hexachlorobenzene D033 Hexachlorobutadiene	√2 <0.13 √3 <0.5	
	7-1	D034 Hexachloroethane	√Z] <3.0	· · · · · · · · · · · · · · · · · · ·
Pesticides Her	bicides	D035 Methyl Ethyl Ketone	<b>1 200</b>	
AmmoniaPCI	3's, Total	D036 Nitrobenzene	<b>1 1 1 2</b> .0	
HOC'S, Total VO	C's, Total	D037 Pentachiorophenoi	<b>∕</b> ∰ <100	
OSHA Carcinogene		D038 Pyridine	<b>∕</b> 01 <5.0	
OUT IF OF OUT OF OUT OF OUT OF OUT OF OUT OF OUT OF OUT OF OUT OF OUT OUT OF OUT OUT OUT OUT OUT OUT OUT OUT OUT OUT		D039 Tetrachloroethylene	40.7	
		D040 Trichioroethylene D041 2, 4, 5 Trichiorophenoi	177 <0.5 177 <400	
Other Hazardous Ingredients		D042 2, 4, 6 Trichlorophenol		
		D043 Vinyi Chloride	乞◆0.2	
K. Land Disposal Restrict	tions	2) la waste à waste	<del></del> 4	
<ol> <li>Is waste subject to land ban?</li> </ol>	Yes No		stewater 2	_
If yes, complete enclosed LDR		3) le waste à debri 4) le waste a soil?	8? □ Yes (2) N N (2) Nec	
Restricted waste requires treat		5) identify all waste		
☐ Waste meets treatment standa ☐ Waste subject to variance. Effe		hazardous constitu		a c
U Wasie subject to Variables. Line	COAR OLION (ONIA)			
L. Shipping and Handling	1			
		malfi Ottor 🗆		
1) Shipping mode: Bulk Liquid		ms <b>对 Other</b> []	w = 01	
<u> </u>		Dump Trailer (), Roll Q		Stranton M
3) Drum Container Type: Fibre				Size Species
4) Frequency: One Time [],	Weekiy [] , Monthly [] s <u>⊋o</u> , Gallons		Other	
-		, Ton/Yards		
6) DOT Hazardous: Yes (3)	NO 日 , MAITING PONUTANT	Yes No , Poison Inhal	ation mazerd? Ye	15 □ NO □
			) Hazard Class:	9
11) EPA/State Hazardous Waste N			// NEZERO CIRSS:	
TT) ET ACTUAL TREZETOUS TYRETOT				لتب السراب
Generator Certification			-	
A representative sample, of the wa	ste stream was obtained usi	ing an EPA approved method ar	nd comeanonds to th	ne information
on this profile.		·	•	
I hereby certify that the above and	attached description is con	nplate and accurate and that no	deliberate or willfu	fomissions of
compositions or properties exists	•	ected nazard# have been disc	losed.	
Generator's Authorized Sig	netory:	1. 1. 10 -		11-
_and linear	Thie _ <i>///Q</i>	tends Men	Date	1-3/95
			87749n1	,

ח	Macta	Information
U.	Wasie	miormation

# WD38178 '

Detailed Description of Process Generating Waste if necessary)  Ligan left use product	. ( A deta	iled description n	nust be provided, atta	ach additional shee
Raw materials used in process:  E. Regulatory Information				
E. Regulatory information			Comments	
1) Is this a US EPA hazardous waste?	☐ Yes	□ No		
Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	□ Yes	15 NO _		
3) is this a PCB waste regulated by TSCA? (is				
PCB>50 ppm or derived from source >50 ppm)	Yes	D/No		
4) Is this a State Hazardous Waste? 5) Is this waste generated from a CERCLA.	☐ Yes	□ No		
cleanup action?	[] Yes	বে No		
6) is this a Dioxin bearing waste as per 40 CFR	٠.٠٠			
part 261.317	☐ Yes	₽No		·
7) Is this waste infectious or medical waste? 8) Is this waste radioactive?	☐ Yes	No _	<del></del>	
9) is this waste explosive?	☐ Yes	区 No	<del></del>	
10) Does this waste contain debris? (If yes,	<b>3</b> · • •	4		<del></del>
please list type & percentage in section F)	☐ Yes	□ No		
<ul><li>11) Does this waste contain metallic fines/powders?</li><li>12) Does this waste contain asbestos?</li></ul>	Yes	⊠ No		
(If yes, define type) Friable . Non-Friable	☐ Yes	1 No		•
13) Does this waste contain solvents or volatile organic		<u> </u>		
compounds? (if yee, provide specific constituents)	<b>∀Yes</b>	□ No		\\
14) Is this waste subject to Benzene NESHAP regulation? (>10 ppm, benzene by weight)	m v	☑ No		<b>_</b>
(>10 ppini, soliton by worgini)	☐ Yes	[X: 140		
F. Chemical Composition				
List all hazardous and non-hazardous constituents	. (Trade n	ames are not ac	ceptable)	
	. (	Minimum %	,	54madesana ne
. Dr		0 -	Average %	Maximum %
1 PHENOXYETHANOL			<u> </u>	
2 ETHANOL, 2- (3-PNEND BYE THOXY) -	<u> </u>	<u> </u>	- 8	
3 (DIETTHYLENE GUYCOL MONOPHEN				
4 Benzaldehyde		0		100
*		<del></del>		
5		<del></del>	<u> </u>	
6				
7				
7				
Total (Must add up to 100%)			·	-
G. Physical Characteristics Of Waste	)			Solvents/Oils/(Optional)
Conce Smartle Armsty Inchestive	Corrector	Baschetz	Physical State 70° F	Carerio Contere STUM
Yallow	(pH1)	Orm of		7
1 m	= 2.0 2.01-6	☐ Unetable		% Halegore
	6-0 3-12,40	☐ Well reactive	☐ Serni-ectid ☐ Powder	
STRONG YEARS DISTER 184" F D	12.80	Builde DESplantes	Spulle Dies   Wildeles	% AND
Describe:   Con   High   D 340° F   Advant	l pHt	C Generates sould	% Free Boulds	www
ROSE AGUE		Other	Pumpada? Wyes   no	

## WD38236.

<u>D.</u>	Waste I	nformation					
Con	nmon Nam	e of Weste _	unted, FLO	UM SCOTTN,	+ NaOH-		
Deta	alled Descr	iption of Proces	ss Generating V	Vaste. ( A detail	led description m	ust be provided, attac	steeds (anoitibbe do
if na	(Cassarv)						
	NaoH o	me certiti -	come in la	test up	MALLERON	and is cleary	ed for disease
				<del></del>			
							· · · · · · · · · · · · · · · · · · ·
Rav	v materials	used in proces	s:				
	Pegule	tory Inform	etion				
	regula	tory intomi		<del></del>		Comments	
		EPA hezardous		☐ Yes	□No		
		EPA listed hazar om a listed source		[] Yes	.ØNo		
		B weste regulate		٠.٠٠			·
•	PCB>50 pp	m or derived from	п <b>воитов &gt;50 pp</b> n	n) 🔲 🏏 🕶	ENO _		
		te Hazardous We		<b>₫</b> Y••	□ No		
	cleanup acti	generated from	B CEHCLA	□ Yee	ENO		
		on bearing wast	as per 40 CFR		4		
	part 261.311			□ Yee	☑.No		
		infectious or me redioactive?	dical waste?	☐ Yes	⊠ No		•
	is this waste			H H Y S	No		
10)	Does this w	este contain debi				•	) <b>(</b> *)
		pe & percentage		□ Yee	<b>⊠</b> ‰		···
		este contain meti este contain sebi		s?   Yee	PN0		<u> </u>
		e type) Frieble [		] [] Yes	1 No		44
13)	Does this w	esta contain solv	ents or volatile or	genic			
		? (If yee, provide			Ø No		
		subject to Benzer enzene by weigh		Property □ Yee	гт No		
==							
F. (	Chemica	al Composi	tion				. •
List	all hazardo	ous and non-ha	zardous constit	uents. (Trade n	ames are not ac	ceptable)	
				•	Minimum %	Average %	Maximum %
1 _	WATE	<u>r</u>			· &\$	_	95
2 _	FLOURE	SCHOOL					<u> </u>
3	New-				5		10
- <b>-</b>			•				
¬ —							
٥ _						<del></del>	-
6		· · · · · · · · · · · · · · · · · · ·			<u></u>	-	
7 _							
Tota	ıl (Must add	d up to 100%)			•		
			ictics Of M				
G.	Physica	Character	1				Solvents/Olle/(Optional)
Sa	Contract Charles	Specific Scripts	inches in	Correction (PIC)		Physical State 76" F	Coloris Contact STyles
	Oder	9010	Dyes Die	124	Upos gra	Chart Care	% Huberton
<b>5</b> /	NONE	05-10 m 0 14-12 m 0 +12	D des	10 00	☐ Cyanide	Comments Comments	
Ř	MILD	Manualte	[ [] A01" P-180" F	10.40		O Mayor D Maddayor	****
ب سے		Com D Han	140° F	Adjust pHt	G Gorandas tanks	% Pres Seutes 200	***
	<del></del>		Actual		Dote	Nonpolitative par and	* ******

# WD38236

H, Heavy Metals	Based on: Generator knowledge	I. Toxicity Characte	ristic Organi	<b>cs</b>
Total TCLP	Generator knowledge	☑ Total ☐ TCLP Be	sed on: Generator Analysis	
(In parts per m	nillion) Actual	(In	parte per million)	Actual
D004 Arsenic	'	D012 Endrin	Ø,<0.02	
D005 Barium		D013 Lindane	AZ ≪O.A	
D006 Cadmium		D014 Methoxychlor D015 Toxaphene	% <10.0	-
D007 Chromium		D016 2, 4 D	<10.0	
DOOR Lead Z < 5		D017 Silvex (2, 4 5-TP)	₹1.0 ₹0.5	
D009 Mercury		D018 Benzene D019 Carbon Tetrachioride		
D010 Selenium / / < 1		D020 Chlordane	<b>7</b> 2] <0.5 <b>7</b> 2] <0.03	
D011 Silver		D021 Chlorobenzene	<b>2</b> <100	
Copper		D022 Chioroform D023 D-Cresol	/f) ≪.0 [7] ≪200	
Nickel		D024 M-Cresol	/Z) <200	
Zinc		D025 P-Creeol	17 ≥00	
Other (s):		D026 Creeols	<b>1</b> 2 ≥∞	
		D027 1, 4 Dichlorobenzene D028 1, 2 Dichloroethene	77.5 70 <0.5	
		D029 1, 1 Dichloroethylene	Ø.7	
J. Other Components	(parts per million)	D030 2, 4 Dinitrotoluene	∕∑ <0.13	
Cyanides, Total 200	Amenable Cyanide	D031 Heptachlor D032 Hexachlorobenzene	///√0.008 ///√0.13	
Sulfidee, Total	Reactive Sulfide 1	D033 Hexachiorobutadiene	<b>/</b> (2) <0.5	
Paeticides	Herbickles	D034 Hexachioroethene	- 1∕23 <3.0	
Ammonia	PCB's, Total	D095 Methyl Ethyl Ketone D035 Nitrobenzene	Ø 200 Ø 20	
	VOC's, Total	D037 Pentachlorophenol	AZ <100	
HOC'S, Total	VOC 2, 102	D038 Pyridine	<b>⊘</b> 45.0	
OSHA Carcinogene		D039 Tetrachioroethylene	17) <b>40.7</b> 47) <b>40.8</b>	
		D040 Trichloroethylene D041 2, 4, 5 Trichlorophenol	/Z) =400	
Other Hazardous Ingredients		D042 2, 4, 6 Trichlorophenoi	<b>∑ 2.</b> 0	
		D043 Vinyl Chloride	7€) <0.2	
K. Land Disposal Res	strictions	2) le waste a waste	water or	/
1) is waste subject to faind be			etewater 5	
प्र yes, complete enclosed	LDR form.	3) is waste a debric 4) is waste a eqii?	NG GAP	D
P Restricted waste requires		5) Identify all waste		
	anceros . Effective until (date)	hazardous constitu		, ,
	(000)			
L. Shipping and Hand	dling	Ħ		
, =	,	man Other 🗀		
	/ec Truck [] , Tenk Truck []		Mi□, Other	eh- 55
3) Drum Comminer Type: Pl 4) Frequency: One Time		l Steel 📋 , Open Head Steel 🗍 □ , Quarterly 🗀 , Yearly [		
	Drums 2 Gallons	Ton/Yarde		
6) DOT Hazardous: Yes		Yes   No   Polson Inhal	ation Hazard? Ye	BS I No I
7,717	TO PHONE IS ALLOW IN . O . S	Technical Contituents:		<del>-</del>
8) DOT ID #: UNINA COUNT	RO# 9) Pa	kaging Group:1	)) Hazard Clase:	8
8) DOT ID #: UBINA	RO 9) Pacaste Number's: (D, K, F, U, P)	kaging Group:1	) Hazard Class:	<u> </u>
8) DOT ID #: COMA 11) EPAState Hazardous W. Generator Certificatio	RQ# 9) Pacasta Number's: (D, K, F, U, P)	Reging Group: 10		8
8) DOT ID #: CINA 11) EPA/State Hazardous William Generator Certification Arepresentative sample of the control	RQ# 9) Pacasta Number's: (D, K, F, U, P)	kaging Group:1		he informatio
8) DOT ID #: CDNA 1976 11) EPA/State Hazardous William Control Certification Arepresentative sample of the on this profile.	RQ # 9) Paceste Number's: (D, K, F, U, P) he waste stream was obtained u	Reging Group: 10	nd corresponds to t	- 7
8) DOT ID #: CINA 1976 11) EPA/State Hazardous Will Generator Certificatio A representative sample of to on this profile. I hereby certify that the above	RQ # 9) Paraste Number's: (D, K, F, U, P) he waste stream was obtained use and attached description is co	Reging Group: 10	nd corresponds to to deliberate or willfu	- 7
8) DOT ID #: CINA 1976 11) EPA/State Hazardous Will Generator Certificatio A representative sample of to on this profile. I hereby certify that the above	RQ # 9) Paraste Number's: (D, K, F, U, P) he waste stream was obtained use and attached description is coexists, and that all known or sure of Sign at one.	Procedure to the proced	nd corresponds to to deliberate or wilflu losed.	d omissions (
8) DOT ID #: CINNA	RQ # 9) Paraste Number's: (D, K, F, U, P) he waste stream was obtained use and attached description is coexists, and that all known or sure of Sign at one.	rechnical Contituents:    Skaging Group:	nd corresponds to to deliberate or willfu	d omissions (

# AD 38235

HOME D STA D STATE D S	% Plangers
Cales   Control	
Control Sanda Grade   Senda   Control Sanda   Proprior time 79 5	Californ Contains STURM
G. Physical Characteristics Of Waste	olvente/Olle/(Optional)
Total (Must add up to 100%)	
7	
6	
5	
4	
3 WATER 15	<u>/8</u>
2 # 77	40
1 HEXA METHICENE DEAMONE YO	<u>//5</u>
Minimum % Average %	Maximum %
List all hazardous and non-hazardous constituents. (Trade names are not acceptable)	
F. Chemical Composition	
(>10 ppm, benzene by weight)	
14) le this waste subject to Benzene NESHAP regulation?	
13) Does this waste contain solvents or volatile organic	
12) Does this waste contain asbestos?  (If yee, define type) Friable . Non-Friable . Yes . No	
11) Does this waste contain metallic fines/powders?   Yes   No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)   Yes  No	
9) is this waste explosive?	
7) Is this waste infectious or medical waste?  8) Is this waste radioactive?  Yes No	
8) Is this a Dioxin bearing waste as per 40 CFR Part 261.31?	
cleanup action?	
4) Is this a State Hezardous Waste?   5) Is this waste generated from a CERCLA	
PCB>50 ppm or derived from source >60 ppm)	
or derived from a fisted source? (F, K, U, P)  3) Is this a PCB waste regulated by TSCA? (Is	
1) Is this a US EPA hazardous waste?  2) Is this a US EPA listed hazardous waste,	<del></del>
E. Regulatory Information	
Raw materials used in process:	
Enternaliste was in producing died, becamentation diening, I'A, and we mited Tayther to form the internaliste, much five account internaliste, and	to su all
if necessary)	
Common Name of Waste HMDA DDA WISE  Detailed Description of Process Generating Waste. (A detailed description must be provided, attack	additional sheets
D. Waste Information	

ŧ

AD38235

H. Heavy Metals  Based on: Generator knowledge [7]		I. Toxicity Characteristic Organics			
Notal TCLP	Generator knowledge [] Analysis	Total TCLP Ban	eed on: Generator Analysis	knowledge [2]	
(In parts per mille	on) Actual	(In a	ourts per milion)	Actual	
D004 Arsenic D1 < 5		D012 Endrin	<b>△</b> 0.03		
0005 Barium		D013 Lindane	42 ≪0.4		
D006 Cadmium		D014 Methoxychior D015 Toxaphene	ZZ <10.0		
D007 Chromium	<del></del>	D016 2, 4 D	77 <0.5 17 <10.0		
D008 Lead		D017 Silvex (2, 4 5-TP)	41.0		
D009 Mercury 7 <0.2	<u></u>	D016 Benzene	<b>2</b> 2 <b>&lt;</b> 0.5		
D010 Selenium 7 < 1	\	D019 Carbon Tetrachioride D020 Chlordane	<b>(3) &lt;0.5</b> <b>(7) &lt;0.03</b>		
D011 Silver 7 < 5		D021 Chlorobenzene	77 <100 77 <100		
Copper		D022 Chloroform	Ø <b>◆</b> 0		
Nickel		D023 O-Cresol	<b>1</b> 21 <b>~</b> 2000		
Zinc		D024 M-Cresol D025 P-Cresol	77 <b>&lt;</b> 000		
Other (s):	<del></del>	D026 Cresols	77 400		
Obiei (3).		D027 1, 4 Dichlorobenzene	2 <7.5		
		D028 1, 2 Dichlorcethane	₩.5		
J. Other Components	(parts per million)	D029 1, 1 Dichloroethylene D030 2, 4 Dinitrotoluene	(2) <0.7 (2) <0.13		
	.11	D031 Heptachlor	(Z) <0.008		
Cyanides, Total <u>N/9</u> A	menable Cyanide	D032 Hexachlorobenzene	₹7 <0.13		
Sulfides, Total R	eactive Sulfide	D033 Hexachlorobutadiene	<b>12</b> <0.5		
Pesticides H	erbicides	D034 Hexachloroethane D035 Methyl Ethyl Ketone	Ø <3.0 □ <300		
Ammonia Pi	CB'a, Total	D036 Nitrobenzene	0 20		
HOC'S, Total V	OC's, Total /-3%	D037 Pentachlorophenol	<b>Z</b> Z <100		
OSHA Carcinogens		D038 Pyridine	<b>∑</b> 4.0		
		D039 Tetrachloroethylene D040 Trichloroethylene	(Z) <0.7 (Z) <0.6	<b>=</b> (	
Other Hazardous Ingradients		D041 2, 4, 6 Trichlorophenol	Z7 <400		
Other Hazarodus Ingreducius		D042 2, 4, 6 Trichlorophenol	₹ 2.0		
	· · · · · · · · · · · · · · · · · · ·	D043 Vinyl Chloride	721 <0.2		
K. Land Disposal Restriction  1) Is waste subject to land ban?  If yes, complete enclosed LD  Mastricted waste requires tree  Waste meets treatment stand	P	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil?, 5) identify all waste	tewater   ? Yes   No  Yes   No  subcategories and	)	
☐ Waste subject to variance. El		hazardoue constitue	nts (UHC):		
2) Built Container Type: Vac 3) Drum Container Type: Fibre 4) Frequency: One Time of, 5) Volume per shipment: Dru 6) DOT Hazardous: Yes of 7) DOT Shipping Name (1998) 8) DOT ID #: CRNA 2925	Id Bulk Solid Dn Truck , Yank Truck  Dn Poly , Closed Head Weekly , Monthly Ima // , Gallons  No , Marine Pollutant Index Style (Species / Park RQ # 9) Pa	Dump Trailer , Roll Of the light of the ligh	Other ! ], Other	No @	
11) EPA/State Hazardous Wasti	Numbers: (D, K, F, U, P)	009/ ) 069A			
Generator Certification					
on this profile. I hereby certify that the above a compositions or properties exte	and attached description is or	sing an EPA approved method an emplete and accurate and that no	deliberate or willful	_	
		spected hazarde have been disck	3 <b>55</b> 0.		
Generators Authorized S	ionatono	Makenals Mb1		19/95	

AD38234 '

D. Waste Information	0000	) T		
Common Name of Waste ZPA , METHA	406,7	WATER		
Detailed Description of Process Generating Wast if necessary)				•
level DA " nettered from he	TOO G	- moon. To	Katerial begomes	untamated and
with and in dremmed for depind				
Raw materials used in process:			•	
E. Regulatory Information				
4) to the AMS FDA homodous and all	[7) Yee	□No _	Comments	
1) is this a US EPA hazardous waste? 2) is this a US EPA listed hazardous waste,				
or derived from a listed source? (F, K, U, P)	Ø Yes	No		
3) is this a PCB waste regulated by TSCA? (ie		_		
PCB>50 ppm or derived from source >50 ppm)	☐ Yes	<b>函</b> w —		····
4) is this a State Hazardous Waste?  5) in this waste commented from a CERCLA	A Ase	□ No		
is this waste generated from a CERCLA cleanup action?	□Yæ	12/No		
6) is this a Dioxin bearing weste as per 40 CFR	<b>ن</b> . ـــ		<del></del>	
part 261,317	☐ Yes	<b>国No</b>		
7) is this waste infectious or medical waste?	☐ Yes	☑ No		
8) is this waste radioactive?	. □ Yes	<b>13</b> /w		
9) Is this waste expicelys? 10) Does this waste contain debris? (If yes,	TY00	⊠No		
please list type & percentage in section F)	☐ Yes	ral No		
11) Does this waste contain metallic fines/powders?	☐ Yes	回 No		
12) Does this waste contain asbestos?				
(If yes, define type) Friable [ , Non-Friable [	☐ Yes	15 No		
13) Does this waste contain solvents or voiatile organi		C7 At-		
compounds? (If yes, provide specific constituents)  14) Is this waste subject to Benzene NESHAP regulation		□ No		
(>10 ppm, berzene by weight)	☐ Yes	<b>⊡</b> 100		
				···
F. Chemical Composition				
List all hazardous and non-hazardous constituent	s. (Trade n	arnes are not ac	ceptable)	
	•	Minimum %	Average %	Maximum %
	,	O:	VARIABLE VA	_
1 IPA			_	95
2 MOTHERS L				95
WOTER		5		10
3	<del></del> .		<del>-</del>	
4				
5				
6		····		
7				
Total (Must add up to 100%)		•		
			The said of the said of the said	
G. Physical Characteristics Of Wast	6			Bolvente/Olle/(Optional)
CLAST Bradle Bradle   instable	Constitute	800000	Physical State 78° F	Obtate Certains STyles
		Open Man	C Us Ababi mbarro	3 Halana
Odes   Bent Date   B	, 201-0	Unstable Willer resides	Dictate   Sale	/
Odex   0	9-8 9-12-46	C) Syllide C) Syllide		<del>/</del>
D simone	212.00	Capingho tests	D Shake layer	* Ash
Describe:	uai piti:	Armes D'Other	% Free Square /00	1,740
ACMINA			Ampuist (Fra Circ	

H. Heavy Metals	Based on: Concretor knowledge V Analysis	I. Toxicity Characte	ased on: Generator	CS knowled(
(In parts per millio	on) Actual	)) - · · · · · · · · · · · · · · · · · ·	Analysis parte,per million)	Actue <b>C</b>
D004 Arsenic M < 5	,	D012 Endrin	€0.02	
D005 Barium		D013 Lindane	<b>∑</b> <0.4	
_ <b></b>		D014 Methoxychlor	<b>∰</b> <10.0	
D006 Cadmium	·	D015 Toxaphene	₹0.5	
D007 Chromium		D016 2, 4 D D017 Silvex (2, 4 5-TP)	/ <u>/</u> /2 <10.0	
D008 Lead		D018 Benzene	∕77 <1.0 ∕77 <0.5	
D009 Mercury 💆 <0.2	·	D019 Carbon Tetrachioride	<b>1 √</b> 0.5	
D010 Selenium Ø < 1		D020 Chlordane	1⁄2 <0.03	
D011 Silver (2) < 5		D021 Chlorobenzene	<b>∕</b> ∑ <100	
Copper		D022 Chloroform D023 O-Cresol	Ø <8.0	
Nickei		D024 M-Cresol	/(Z) <200 1/Z <200	
Zinc		D025 P-Cresol	17 ≥00	
Other (s):		D026 Cresols	<b>∤</b> ∑ <200	
		D027 1, 4 Dichlorobenzene	<b>(</b> 2) <7.5	
		D026 1, 2 Dichieroethane	<b>Ø</b> ≪0.5	
J. Other Components (	ants per million)	D029 1; 1 Dichloroethylene D030 2, 4 Dinitrotoluene	77] ≪0.7 177 ≪0.13	
11	11.	D031 Heptachior	Ø <0.005	
Cyanides, Total <u>No</u> Arr	nenable Cyanide NO	D032 Hexachlorobenzene	<b>7</b> 7 <0.13	
Sulfides, Total Re	active Sulfide	D033 Hexachlorobutadiene	(∄ ≪0.5	
	rbicides	D034 Hexachioroethane	Ø<3.0.	
Ammonia PC	B's, Total	D036 Methyl Ethyl Ketone D036 Nitrobenzene	∑) <200 ∑) <200	
7.	C'a Total 1-2%	D037 Pentachiorophenoi	71 <100	
•	C B, TOTAL	D038 Pyridine	☑ 45.0	
OSHA Carcinogena		10039 Tetrachloroethylene	<b>∑</b> <0.7	
		D040 Trichiorcethylene	<b>2</b> <0.5	
Other Hazardous Ingredients		D041 2, 4, 5 Trichlorophenol D042 2, 4, 6 Trichlorophenol	[2] <400 [2] <2.0	
		D043 Vinyi Chloride	[Z] <2.0 [Z] <0.2	
				المثالية عرا
K. Land Disposal Restric	ctions ,	2) is waste a waste		
1) is waste subject to land ban?	☐ Yes ☐ No		stewater 57	
If yes, complete enclosed LDF		3) is waste a debris	? ☐ Yes F No	
Restricted waste requires trea		5) Identify all waste		
Waste mests treatment stands Waste subject to variance, Effe		hazardous constitue	• • • • • • • • • • • • • • • • • • •	on our ly mag
	الكواسين والبراب أنكار كالتراج			
L. Shipping and Handlin	α .			
- · · · · · · · · · · · · · · · · · · ·		ms 🗹 Other 🗀		
	ruck . Tank Truck		fi [1] . Other	
3) Drum Container Type: Fibre				ize_55
4) Frequency: One Time (),		], Quarterly [], Yearly [		
5) Volume per shipment: Drun	ns <u> </u>	, Ton/Yards		
6) DOT Hazardous: Yes 🗍	No . Marine Pollutant	Yes 🔲 No 🗹 , Poison Inhail	ation Hazard? Yes	B □ No 🗹
7) DOT Shipping Name: Away A		Technical Contituents:		1000
		kaging Group: 10	) Hazard Class: 🚣	- ILECULI
11) EPA/State Hazardous Weste	Numbers: (D, K, P, U, P)	- المراجعية على الأرق الأرق الأرق المراجعة		
Generator Certification				
	aste stream was obtained us	ing an EPA approved method an	d corresponds to the	e information
on this profile.		•	·	
I hereby certify that the above an	d attached description is co	mplete and accurate and that no	deliberate or willful	omissions of
compositions or properties exist		pected hazards have been discl	osed,	(
Generalor's Authorized Sign	gnatory:	sterolo Men	2	
MATTHEMA	Title	heres liel	Date _3/3	-3\2C

WD38179.

D. Waste Information				
Common Name of Waste NON NOZAMONS	(21/120)	pa Dien	Warra Maria	hate Trentis
Detailed Description of Process Generating Waste	e. ( A detai	iled description m	ust be provided, atta	ch additional sheets
if necessary)		. :		
Muyin non hogarhour products lift	week	um all el	sure for ducies	<u></u>
Raw materials used in process:				
E. Regulatory Information				
Z. riogatatory miletanent			Comments	
1) is this a US EPA hazardous waste?	☐ Yes	☑No		
2) is this a US EPA listed hazardous waste,	- Van	. []No		
or derived from a listed source? (F, K, U, P)  3) Is this a PCB waste regulated by TSCA? (Is	☐ Yes	. [] [10]		
PCB>50 ppm or derived from source >50 ppm)	☐ Yes	□No		
4) is this a State Hazardous Waste?	Tes	™ No		
5) is this waste generated from a CERCLA		<b>_</b> .		
cleanup action?  6) Is this a Dioxin bearing waste as per 40 CFR	Yes	国No		
part 261.31?	☐ Yes	Mo		
7) Is this waste infectious or medical waste?	☐ Yes	- ☑ No		
8) is this waste radioactive?	☐ Yes	豆No 豆No		
9) Is this waste explosive?	☐ Yes	☑No		
10) Does this waste contain debrie? (If yes,				
please list type & percentage in section F)  11) Does this waste contain metallic fines/powders?	☐ Yes	12 No		
12) Does this waste contain asbestos?	<u></u>	-		
(If yes, define type) Friable [ ] , Non-Friable [	☐ Yes	13 No		
13) Does this waste contain solvents or volatile organic				
compounde? (If yes, provide specific constituents)		□ No		
<ul><li>14) Is this waste subject to Benzene NESHAP regulation? (&gt;10 ppm, benzene by weight)</li></ul>	/ ☐Yes	1 No		•
(>10 ppm, between by waighty		LY 140		
F. Chemical Composition				
List ail hazardous and non-hazardous constituents	s. (Trade n	ames are not ac	ceptable)	
		Minimum %	Average %	Maximum %
1 POLYETNYLENS GLYCOL		0	Attitude 14	/00
	····	0		
2 DEMETRYLEGRARMEDE	<del></del> .	<u> </u>		<u> 100</u>
3 SEEDENSOE			-	
4				
5				
<u> </u>	-			
6				
7				
Total (Must add up to 100%)		•		
G. Physical Characteristics Of Wast	e	1 1111111111111111111111111111111111111		Solvents/Oils/(Optional)
	Correlate	Banchitz	Physical State 70° F	Catorio Carters STUIDA
VARY D. 40.8 Dres Office	(pH)	Dyes En		
0.8-1.0   Stack Surv.   🗆	₹ 2.0 2.01-6	○ Unstable □ Water reactive	☐ Liq/Selld Missure ☐ Liquid ☐ Solid	% Halogene
□ NONE □ >1.2 □ <79° F	8-0 0-12-40	Charles	Semi-solid   Pouder	
G STRONG MINISTER GRANT	212.60	☐ Explosive	Blayer   Multipper	16 AM
Describe:	mi při:	Generally tests Armos	% Free Reside 100	* Was
COLEANTE MANN AGAIN				14. Sylfer

H. Heavy Metals  Generator knowledge	I. Toxicity Characteristic Organics  Total TCLP Based on: Generator knowled
Total TCLP Analysis	Analysis
(In parts per million) Actual	(In parts per million) Actu
D004 Arsenic	D012 Endrin
D005 Barium	D014 Methoxychlor
D006 Cadmium 🗁 < 1	D015 Toxaphene
D007 Chromium [2] < 5	D016 2, 4 D
D008 Lead	D017 Silvex (2, 4 5-TP)
D009 Mercury (2) <0.2	D018 Benzene <0.5 D019 Carbon Tetrachloride C.5
D010 Selenium 🖸 < 1	D020 Chlordane
D011 Silver	D021 Chlorobenzene
Copper	D022 Chloroform //7/ <8.0
Nickel	D023 O-Cresci
Zinc	D025 P-Cresol
Other (s):	D028 Cresols
	D027 1, 4 Dichlorobenzene (2) <7.5
	D028 1, 2 Dichloroethane
J. Other Components (parts per million)	D029 1, 1 Dichlorosthylene
1/2	D030 2, 4 Dinitrotoluene // <0.13  D031 Heptachlor // <0.008
Cyanides, Total Amenable Cyanide \( \sqrt{\sqrt{0}} \)	D032 Hexachlorobenzene Z <0.13
Sulfides, Total Reactive Sulfide	D033 Hexachlorobutacliene 🗸 <0.5
Pesticides Herbicides	D034 Hexachloroethane
Ammonia PCB's, Total	D035 Methyl Ethyl Ketone
HOC'S, Total VOC's, Total 0-2%	D037 Pentachiorophenol
· -	D038 Pyrldine
OSHA Carcinogene	
	D040 Trichloroethylene (7 < 0.5
Other Hazardous Ingredients	D041 2, 4, 5 Trichlorophenol
	DO43 Vinyl Chloride
K. Land Disposal Restrictions	2) le waste a wastewater or
1) is waste subject to land ban? Yes Yo	non-wastewater ☑ 3) is waste a debris? ☐ Yes ☑ No
If yes, complete enclosed LDR form.	4) is waste a soil? Yes Ø No
☐ Restricted waste requires treatment ☐ Waste meets treatment standards	5) Identify all waste subcategories and underlying
☐ Waste subject to variance. Effective until (date)	hazardous constituenta (UHC);
	4
	فوسير والمراقب فالمراقب والمراقب والمراقب
L. Shipping and Handling	
• • •	uma (*) Other [_]
2) Bulk Container Type: Vac Truck [], Tank Truck [	<b>-</b>
Z) Dain Container 13ber - And Hock [ ]   Main 118ch [	
3) Drum Container Type: Fibre , Poly , Closed Hear	
3) Drum Container Type: Fibre ☐, Poly ☑, Closed Hear 4) Frequency: One Time ☑, Weekly ☐, Monthly	Steel , Open Head Steel , Other Size 5
3) Drum Container Type: Fibre ☐, Poly ☑, Closed Head 4) Frequency: One Time ☑, Weekly ☐, Monthly 5) Volume per shipment: Drums ☑, Gallons	Steel [7], Open Head Steel [7], Other Size
3) Drum Container Type: Fibre ☐, Poly ☑, Closed Head 4) Frequency: One Time ☑, Weekly ☐, Monthly 5) Volume per shipment: Drume ☑, Gallons 6) DOT Hazardous: Yes ☐ No ☑, Marine Pollutant	Steel &, Open Head Steel , Other Size  D. Quarterly , Yearly , Other  Ton/Yards  Yes No &, Poison Inhalation Hazard? Yes No &
3) Drum Container Type: Fibre ☐, Poly ☑, Closed Head 4) Frequency: One Time ☑, Weekly ☐, Monthly 5) Volume per shipment: Drume ☑, Gallons 6) DOT Hazardous: Yes ☐ No ☑, Marine Pollutant 7) DOT Shipping Name: ∠o ∠o ∠o ∠o ∠o	d Steel Ø, Open Head Steel □, Other Size Size Other Ton/Yards Yes □ No Ø. Poison Inhalation Hazard? Yes □ No Ø Technical Contituents:
3) Drum Container Type: Fibre , Poly , Closed Head 4) Frequency: One Time , Weekly , Monthly 5) Volume per shipment: Drume , Gallons 6) DOT Hazardous: Yes No , Marine Pollutant 7) DOT Shipping Name: Now Vardous (2000) 8) DOT ID #: UNNA RQ# 9) Pa	d Steel Ø, Open Head Steel □, Other Size Size □, Quarterly □, Yearly □, Other Ton/Yards Yes □ No Ø. Poison Inhalation Hazard? Yes □ No Ø Technical Contituents: Ckaging Group: 10) Hazard Class: Δων Γωσου Κ
3) Drum Container Type: Fibre , Poly , Closed Head 4) Frequency: One Time , Weekly , Monthly 5) Volume per shipment: Drume , Gallons , 6) DOT Hazardous: Yes No , Marine Pollutant 7) DOT Shipping Name: Now Varanevs (2000) 8) DOT ID #: UNNA RQ# 9) Pa 11) EPA/State Hazardous Waste Numbers: (D, K, F, U, P)	d Steel Ø, Open Head Steel □, Other Size Size □, Quarterly □, Yearly □, Other Ton/Yards Yes □ No Ø. Poison inhalation Hazard? Yes □ No Ø Technical Contituents: Ckaging Group: 10) Hazard Class: ΔΕΛ ΛΑΘΕΙΚ
3) Drum Container Type: Fibre . Poly . Closed Head 4) Frequency: One Time . Weekly . Monthly 5) Volume per shipment: Drums	d Steel Ø, Open Head Steel □, Other Size □, Quarterly □, Yearly □, Other Ton/Yards Yes □ No Ø. Poison Inhalation Hazard? Yes □ No Ø Technical Contituents: ckaging Group: 10) Hazard Class; www needs with
3) Drum Container Type: Fibre . Poly . Closed Head 4) Frequency: One Time . Weekly . Monthly 5) Volume per shipment: Drums	d Steel Ø, Open Head Steel □, Other Size Size □, Quarterly □, Yearly □, Other Ton/Yards Yes □ No Ø. Poison Inhalation Hazard? Yes □ No Ø Technical Contituents: Ckaging Group: 10) Hazard Class: Δων Γωσου Κ
3) Drum Container Type: Fibre . Poly . Closed Head 4) Frequency: One Time . Weekly . Monthly 5) Volume per shipment: Drums . Gallons . Gallons . ODT Hazardous: Yes . No . Marine Pollutant 7) DOT Shipping Name: **wow vardness** (2000) 8) DOT ID #: UNNA . RQ # . 9) Pa 11) EPA/State Hazardous Waste Numbers: (D, K, F, U, P) .  Generator Certification  A representative sample of the waste stream was obtained up on this profile.	Steel Ø, Open Head Steel □, Other Size Other Quarterly □, Yearly □, Other Ton/Yards Ton/Yards Yes □ No Ø. Poison Inhalation Hazard? Yes □ No Ø . Technical Continents: Ckaging Group: 10) Hazard Class: ΔΕΜΠΑΘΕΙΚΑ ΔΙΑΘΕ
3) Drum Container Type: Fibre . Poly . Closed Head 4) Frequency: One Time . Weekly . Monthly 5) Volume per shipment: Drume	Steel Ø, Open Head Steel Ø, Other Size Ø  Ouarterly Ø, Yearly Ø, Other  Ton/Yards  Yes Ø No Ø. Poison Inhalation Hazard? Yes Ø No Ø  Technical Contituents:  Ckaging Group:  10) Hazard Class: ΔΕΛ ΠΕΘΕ ΔΕΛ ΜΕΝΤΑΙ ΤΟ MILITARY TO MI
3) Drum Container Type: Fibre . Poly . Closed Head 4) Frequency: One Time . Weekly . Monthly 5) Volume per shipment: Drume	Steel S. Open Head Steel S. Other Size S. Other Size S. Other Size S. Other Size S. Other S.
3) Drum Container Type: Fibre . Poly . Closed Head 4) Frequency: One Time . Weekly . Monthly 5) Volume per shipment: Drums	Steel S. Open Head Steel S. Other Size S. Other Size S. Other Size S. Other Size S. Other S.

# 05-12-95 04:05PM WD23326

A. Generator Information  Generator Napa channels Tail.  Facility Address 199 main street  City State Zip 07444  City State Zip  Technical Contact _ Bab State Zip  Technical Contact _ Bab State Zip	Company NamePhone  AddressStateZip			
B. Waste Information  Common Name for Waste Dil _ Streeplos  Detailed Description of Process Generating Waste (Describe each step in process)  abscrbart vseo to elean up (oith Trace oil Scilla en ground. vsc. L. ttl. oil, sestly abscrbart.  List rew materials used:  List Products Produced:				
Is waste Dioxin bearing?  Yes No Infectious?  Yes No Radioactive?  Yes No Explosive?  Yes No Anticipated Volume:				
C. Physical Characteristics of Waster    Color	Corrosivity   Physical State 70°F			
D. Chemical Composition  (Must add up to 10096)  (Must add up to 10096)  (Must add up to 10096)  (Must add up to 10096)  (Must add up to 10096)  (Must add up to 10096)  (Must add up to 10096)  (Must add up to 10096)  (Must add up to 10096)  (But this a US EPA hazardous waste?   Yee   No    (But this a US EPA hazardous waste?   Yee   No    (Composition   Yee   Yee   No    (Composition   Yee				
Is waste a commercial chemical product?  If yes attach MSDS  Is waste a spill residue from a virgin commercial chemical product?  Is waste a spill residue from a virgin commercial chemical product?  Is waste a spill residue from a virgin commercial chemical product?  Solvente/Oilly				
If yes attach MSDS **  What industry is waste generated from?  Was a representative sample provided which matches the description on this form?   Yes  No	46 Halogens 46 Suffur 46 Water 46 Ash 46 Suspended Solids 46 BSRW  100-15 □>15 Rotusl;  100-15 □>15 Rotusl;			

WO 23326

G. Heavy Metals	H. Toxicity Characteristic Organi	
☐ Total ☐ TCLP ☐ EP Toxioity	CITANA DITCLE	
(in parts per million) Actual	(in parts per million)  D012 Endrin  R2 < 0.02	₹
D004 Arsenic	D012 Endrin	•
D005 Barium 🔯 <100	D014 Methoxychlor	•
D006 Cadmium	D015 Toxaphene Z<0.5	•
D007 Chromium $60 < 5$	D018 2,4 D Z <10.0	•
	D017 Silvex (2, 4, 5-TP)	•
D008 Lead	D018 Benzene N < 0.5	
D009 Mercury	D019 Carbon Tetrachloride 3 < 0.5	
D010 Selenium (2) < 1 (1) < 100	D020 Chiordane St < 0.03	
D011 Silver Ø < 5	D021 Chlorobenzene K <100	
Hex-Chrome □ < 5 □ <500	D022 Chloroform 💆 < 6.0	
Copper □ < 25	D023 O-Cresol (\$ <200	
Nickel	D024 M-Creeol	
Thellium □ < 25 □ <130	D025 P-Cresol (2) <200	•
Zinc	DO26 Cresols (5 <200	•
	D027 1, 4 Dichlorobenzene 25 < 7.5	-
	D028 1, 2 Diohiproethane Q<0.5	•
Other	D029 1, 1 Dichloroethylene Q <0.7	-
Other □ <	D030 2. 4 Dinitrotoluene Q < 0.13	-
	DO31 Heptachlor 🖸 <0.006	-
1. Other Components (parts per million)	D032 Hexachlorobenzene 2 <0.13	-
	D033 Hexachlorobutadiene 2 < 0.5	-
	D034 Hexachioroethane 28 < 3.0 D035 Methyl Ethyl Ketone 28 < 200	-
Sulfides, Total Reactive Sulfide	D035 Methyl Ethyl Ketone (# <200 D036 Nitrobensene (* <2.0	_
Anmonia	D037 Pentachlorophenol 07 < 100	-
Pesticides, Total Herbicides, Total	Dose Pyridine 2 <5.0	-
Fluorides, Total Asbestos	D039 Tetrachlorgethylene 5 < 0.7	-
Phosphorus, Total Phosphetes	D040 Trichloroethylene Sy < 0.5	•
Phenolics PC8's	D041 2, 4, 5 Trichlorophenol	- (
Total HOC's Total VOC's	D042 2, 4, 6 Trichlorophenol □ <2.0	-
Other	D043 Vinyi Chloride	<u>-</u>
		_
J. Land Disposal Restrictions  1) is waste subject to land ban?    Yes Di No	2) is waste a soil or debris?   Yes Si No 3) identify all waste subcategories	- -
	and a second second second second second second second second second second second second second second second	
	Shipping Name  Acai Cerulated Solid	
☐ Reactive ☐ Water Reactive ☐ DOT Hazard		_
	Quantity (RQ) US EPA Hazard Code(s)	)_
US EPA Hazardous Waste?   Yes S'No Method of S		
State Hazardous Waste?		
CENCIA Mazardona Aversia		
US EPA Hazardous Waste Numbers State Hazard	ous Waste Numbers	
Con washing	'Alexandre's finish in a Substitut Standard St. St.	\1.
Cell Wester St	disposed out of state in a Subtitle D landfill?    Yee !!	<b>4</b> (
Generator Certification  A representative sample of the waste stream was obtained using	no EPA annowed method and corresponds to the information	_
on this profile.		
I hereby cartify that the above and attached description is comp	lete and accurate and that no deliberate or willful omissions	ı "
of compositions or properties exists, and that all known or susp	ected hazards have been disclosed.	- (
Generator's Authorized Signatory:	1 1 1	•
Leves Conquer THE FO	rckising the aut Date	

Generator NOP TECHNOLOGIES  Facility Address 199 MINEW STREET  City COR State NS ZIP 07644	Company NamePhoneAddressCityStateZip			
B. Waste Information  Common Name for WasteCNANCAL_NSH_FROM_FLUORESCEEN  Detailed Description of Process Generating Waste (Describe each step in process)  SolutionPASSELThRoughCharactbedforColore				
NONE     1.0-1.2     < 70°F	Corrosivity (pH)  S 2.0  2.01-5  S 3-0  B-12.49  ≥ 12.80  Actual pH:	Asactivity  yes (Ind Unstable  Water reactive  Cyanide  Suitide  Explosive  Generates toxic furnes	Physical State 70°F  Uquid	
D. Chemical Composition  (Must add up to 100%)  CNANCASC RSN 90-95 %  MATER 90-95 %  MATER 90-95 %  %6  %6  Is waste a commercial chemical product? Yes No if yes attach MSDS  Is waste a spill residue from a virgin commercial chemical product? Yes No if yes attach MSDS  What industry is waste generated from?  Was a representative sample provided which matches the description on this form? Yes No	1) is this a US E 2) is waste an El 3) Does waste or if yes, specify 4) is waste a lists (F001, F002, F 5) Does waste or Halogenated 6) Does waste or PCBa derived PCBa Q No	contain solvents? Yes  od solvent as defined to  f003, F004, F005)? Contain greater than 1,00  Organic Compounds?  ontain PCBs greater the  from a source greater	Yes O'No paste? Yes Yes No paste? Yes Yes No py 40 CFR 261.31 I Yes No ppm Total HOCs, II Yes Yes No an 50 ppm or than 50 ppm?	

G. Heavy Metals	H. Toxicity Characteristic Organic    Total   TCLP
I. Other Components (parts per million)  Cyanides, Total Amenable Cyanide  Sulfides, Total Reactive Sulfide  Nitrogen, Total Ammonia  Pesticides, Total Herbicides, Total  Phosphorus, Total Phosphates  Phanolics  Total HOC's  Other  J. Land Disposal Restrictions	D032 Hexachlorobenzene  D033 Hexachlorobutzdiene  D034 Hexachlorosthane  D035 Methyl Ethyl Ketone  D036 Nitrobenzene  D037 Pentachlorophenol  D038 Pyridine  D039 Tetrachloroethylene  D040 Trichloroethylene  D041 2, 4, 5 Trichlorophenol  D042 2, 4, 6 Trichlorophenol  D043 Vinyl Chloride  2 < 0.5  D043 Vinyl Chloride  2   400  D044   2, 4, 6 Trichlorophenol  D045   2, 4, 6 Trichlorophenol  D047   2, 4, 6 Trichlorophenol  D048   2, 4, 6 Trichlorophenol  D049   2, 4, 6 Trichlorophenol  D049   3   4   4   4   4   4   4   4   4   4
1) Is waste subject to land ban?  If yes check the appropriate box  Restricted waste requires treatment  Waste meets treatment standards  Waste subject to variance. Effective until(date)	3) Identify all waste subcategories
☐ Corrosive ☐ Toxic ☐ Oxidizer ☐ Oxidizer ☐ T.C. Toxic ☐ Acutely Toxic ☐ Peroxide ☐ Peroxide ☐ Pyrophoric ☐ Reactive ☐ Water Reactive ☐ Yes ☐ No ☐ Water Reactive ☐ Yes ☐ No ☐ Vac Truck ☐ Yes ☐ No ☐ CERCLA Hazardous Waste? ☐ Yes ☐ No ☐ Tank Truck ☐ Tank Truck ☐ State Hazardous Waste Numbers ☐ State Hazardous Waste Numbers	Ipment:  Dump Trailer Drum (type/size) 17-8 Spelling Roll Off Dother  Us Waste Numbers
	disposed out of state in a Subtitle D landfill? The I No
Generator Certification  A representative sample of the waste stream was obtained using an on this profile.  I hereby certify that the above and strached description is completed compositions or properties exists, and that all known or suspect Generator's Authorized Signatory:  TITLE Market	rie and accurate and that no deliberate or willful ornissions

G. Heavy Metals	H. Toxicity Characteristic Organics
☐ Total ☐ TCLP ★ EP Toxicity	☐ Total X TCLP (In parts per million) Actus
(In parts per million) Actual	DOM Sartin
D004 Alleelii0	- D013 Undane (A) < 0.4
	D014 Methacychlor XX <10.0
D008 Cadmium	D015 Toxaphene
D008 Lead	
D009 Mercury	D018 Benzene
D010 Salenium	EDUTY Carbon letrachioride 22 < 0.5
D011 Silver	D020 Chlordane
Hex-Chrome □ < 5 □ < 500	D022 Chiloroform 15 < 60
Copper	D023 O-Cresol 10 < 200
· Nickei □ < 25 □ <134	DG24 M-Creek
Thallium	D025 P-Cresol 30 < 200
Zinc	D027 1, 4 Dichlorobenzene V <7.5
Other	DO28 1, 2 Dichloroethane S < 0.5
Other	D029 1, 1 Dichloroethylene 2 <0.5
Other D <	D030 2, 4 Dinitrotoluene B < 0.13
	D031 Heptachlor
I. Other Components (parts per million)	■ D033 Hexachlorobutaciene D1 < 0.5
Cyanides, Total <u>&lt;1.0</u> Amenable Cyanide <u>&lt;1.</u>	0 D034 Hexachloroethane B < 3.0
Suifides, Total Reactive Suifide	DOSS Methyl Ethyl Ketons 数<200
Nitrogen, Total Ammonie	D038 Nitrobenzene 13 < 2.0
Pesticides, Total Herbicides, Total	D037 Pentachlorophenol 15 < 100
Fluorides, Total Asbestos	D038 Tetrachicroethylene -2 <0.7
Phosphorus, Total. Phosphates: Phenolics PCB's	D040 Trichloroethylene \$7.<0.5
Total HOC's Total VOC's	D041 2, 4, 5 Trichiorophenol \$<400 D042 2, 4, 6 Trichiorophenol \$<2.0
Other	D042 2, 4, 6 Trichiorophenol 2 < 2.0
J. Land Disposal Restrictions  1) is waste subject to land ban?	2) is waste a soil or debris?   Yes M No 3) identify all wasts subcategories  te)
☐ Corrosive ☐ Taxic ☐ Oxidizer ☐ Prope ☐ T.C. Toxic ☐ Acutely Taxic ☐ Peroxide ☐ Ignitable ☐ Poleon ☐ Pyrophoric ☐	Shipping Information is weste a DOT Hazardous in DOT Shipping Name Material? I Yes XO No No No No No No No No No No No No No
	ISZARO CIRAS AND ALGUACED UNINA Number
	table Quantity (RQ) US EPA Hazard Code(s)
	: Truck
CERCLA Hazardous Waste?	k Truck    Roll Off    Other
NOW HAZARDONS	lazardous Waste Numbers
Can wa	uste be disposed out of state in a Subtitle D landfill?
on this profile.	complete and accurate and that no deliberate or willful omissions suspected hazards have been disclosed.  Purchasus Assat

A. Generator Information  Generator_NAPP CAEMILAL  Facility Address_199 MAIN STREET  City State_NJZip 0X44  Mailing Address (If different) P.O. BOL 900  City State Zip  Technical Contact KEETH TERMAND Title PYNA	Invoice Company Name Contact Address City	St	(Broker) ChoneateZip
B. Waste Information  Common Name for Waste Pit Sludge  Detailed Description of Process Generating Waste (Describe  Cleaning of warte water treatments)	it pit		
List raw materials used:  Is waste Dioxin bearing?  Yes No Infectious?  Yes Anticipated Volume: Frequency:  Have toxicity characteristic or other analysis been performed  No Yes (if yes, pie	on this waste?	☐ Yes 老 No Exp ent Volume on site:	
C. Physical Characteristics of Waste    Color   Specific Gravity   Ignitability     Godor   Go	Correlvity (pH)  □ \$ 2.0 □ 2.01-5  ≥ 5-9 □ \$ 12.49 □ ≥ 12.50 Actual pH:	Reactivity  yes inc  Unstable  Water reactive  Cyanide  Suffide  Explosive  Generates todo fumes	Physical State 70°F  Uquid Marilla Solid  Blayer Muttileyer  Free liquids  Total solids  Pumpable? U yee Maril
D. Chemical Composition  (Must add up to 100%)  WATER  Gait Residue  70  99  18 waste a commercial chemical product?	1) is this a US E 2) is waste an E 3) Does waste of if yee, specify 4) is waste a list (F001, F002, if 5) Does waste of Halogenated 6) Does waste of PCBs derived	ontain solvents?   Y ed solvent as defined   F003, F004, F005)?   contain greater than 1,0 Organic Compounds? contain PCBs greater th i from a source greater contain PCBs	Yes INO raste?   Yes X No res X No  by 40 CFR 261.91  Yes X No 00 ppm Total HOCs,   Yes X No rish 50 ppm or than 50 ppm?
Is waste a commercial chemical product?	Solventa/Olis  We Helogens  We Sulfur  We Weter  We Ash  We Suspended  Solide  We BS&W	Caloric Content (BTU/nb. x 1000)  NONE  5-10 10-15 1> 15 Actual:	Total Metals (In ppm)  Arsenia Cadmium Chrome Laed Total Metals

AD38233.

D. Waste Information				
Common Name of Waste DEA CETIC	PHOSPAI	OTE ML		
Detailed Description of Process Generating Waste			rust be provided, ette	ch additional sheets
if necessary)			provide of all	
Retral Rhombate reacts with Diet	Shoul as	une some	dittuston	ie and and air
should in an Ita Bath Buch				
The state of the s				and Lynn
i dryman for disposal:				
Raw materials used in process:				
E. Regulatory Information				
L. Hegulatory mornadon			Comments	
1) is this a US EPA hazardous waste?	Ø Yes	□ No		
2) is this a US EPA listed hazardous waste,				
or derived from a listed source? (F, K, U, P)	Yes	No		
3) Is this a PCB waste regulated by TSCA? (in PCB>50 ppm or derived from source >60 ppm)	Yes	FINO		
4) is this a State Hazardous Waste?	Yes	□ No □		
5) is this waste generated from a CERCLA				
cleanup action?	☐ Yes	⊡,vo		
6) is this a Dioxin bearing waste as per 40 CFR		<b>_</b> /		
part 261.31? 7) Is this weste infectious or medical waste?	☐ Yee	<b>可No</b>		
8) Is this waste radioactive?	☐ Yes	No		
B) is this waste explosive?	☐ Y65	No _		<del></del>
10) Does this waste contain debrie? (If yes,				
please list type & percentage in section F)	☐ Yes	Ø No		
11) Does this waste contain metallic fines/powders?	☐ Yee	Ø No	<del></del>	<del>;                                     </del>
12) Does this waste contain asbestos? (If yes, define type) Friable [] , Non-Friable []	☐ Yee	<b>図No</b>		
13) Does this waste contain solvents or volatile organic	; —			
compounds? (If yes, provide specific constituents)	₽Y••	□ No	·	
14) is this waste subject to Benzene NESHAP regulation?		ਜ਼ਿੰNo		
(>10 ppm, benzene by weight)	☐ Yes	[N.40		
F. Chemical Composition				·.
	, (Td			
List all hazardous and non-hazardous constituents	s. (Trace na		oeptable)	
		Minimum %	Average %	Meximum %
1 CETYL PHOPHATE				<u>2                                   </u>
2 DIETNANDE AMENE		/		a
3 RETURNOL AMENE SALTS		1		2
1 IPA		22		98
5				
6				
7				<u> </u>
Total (Must add up to 100%)				
G. Physical Characteristics Of Waste	8		!	Solventa/Olia/(Optional)
Colot Amerita (archebite	Campabity, (pH)	Reactivity	Physical State 70° F	Cateda Centers STUgal
0.51.0 Each Part   0	•	Dyes Gree	☐ List/Balid misture	
Oder Of College Plant Pater O	≤ 2.0 2.01-6	Unitable Wider receive	☐ Me/Sold mixture ☐ Liquid ☐ Sold ☐ Serri-walld ☐ Powder	16 Halogona
NILD TO F.100 F	6-4 9-12-40	Cyeride	Billinger Multilayer	<del></del>
o imong	≥1£40	Generales tude	Diffragle layer	% Add
Describe: Grant High Assuel: Actual	ni pi-t	furnise (2 Other	% Free Square 95-100	

AD38233,

H. Heavy Metals	Based on: Generator knowledge	I. Toxicity Characte	eristic Organi	cs
Total TCLP	Generator knowledge 🗹 Analysis 🖂	Total TCLP B	seed on: Generator	knowledge
(In parts per million	on) Actual	11 — —	Analysis (parts_per million	Actual
D004 Arsenic D × 5		D012 Endrin	€1.<0.02	Modern
D005 Barium		D013 Lindane	<b>/</b> ℤ <0.4	
D006 Cadmium 17 < 1	•	D014 Methoxychlor	₹2 <10.0	
D007 Chromium 7 < 5		D015 Toxaphene D016 2, 4 D	<b>1</b> 73 <b>&lt;</b> 0.5 <b>7</b> 72 <b>&lt;</b> 10.0	
D008 Lead 1/1 < 5	<del></del>	D017 Silvex (2, 4 5-TP)	<b>7</b> 7 <1.0	
D009 Mercury 7 <0.2		D018 Benzene	Æ 40.8	
D010 Selenium	4	D019 Carbon Tetrachloride D020 Chlordane	40.5	•
D011 Silver 7 < 5		D021 Chiorobenzene	727 €0.03 127 <100	
Copper	**************************************	D022 Chloroform	Ø €8.0	
Nickel	**************************************	D023 O-Cresol	<b>∕</b> ⁄Д <200	
Zinc	<del></del>	D024 M-Cresol D025 P-Cresol	<b>/</b> 2/200	
Other (s):		D025 P-Cresols	/D <200 /D <200	
Out (b).		D027 1, 4 Dichlorobenzene	Ø <7.5	
		D028 1, 2 Dichloroethane	<b>7</b> =0.5	
J. Other Components (	parts per million)	D029 1, 1 Dichlorosthylene D030 2, 4 Dinitrotoluene	<b>27</b> ≪0.7 17 ≪0.13	
u.	. 41.	D031 Heptschlor		
Cyanides, Total An	menable Cyanide No	D032 Hexachlorobenzene	77 <b>&lt;</b> 0.13	
Sufficies, Total — Re	eactive Sulfide	D033 Hexachlorobutadiene	<b>Ø</b> <0.6	
Pasticides He	ertilicides	D034 Hexachloroethane D035 Methyl Ethyl Ketone	Ø <3.0 Ø <200	
Ammonia PC	CB's, Total	D036 Nitrobenzene	7 20	
HOC'S, Total V	C's, Total (-370)	D037 Pentachiorophenol	<b>Æ</b> 7 <100	
OSHA Carcinogens		D036 Pyridine D039 Tetrachioroethylene	4.0	
		D040 Trichioroethylene	77 3.5	
Other Hazardous Ingredients		D041 2, 4, 5 Trichlorophenol	A 0400	
		D042 2, 4, 6 Trichlorophenol	<b>A</b> 2.0	
		D043 Vinyl Chloride	Ø,<0.2	
K. Land Disposal Restri	ctions	2) is waste a waste	water or 🗇	
1) is waste subject to land ban?	☐Yes ☐ No		stawater 💆	
If yes, complete enclosed LDF	7 form.	3) is waste a debris	? Yes ZNo	
Restricted waste requires treat  Waste meets treatment stand			subcategories and	underlying
Waste subject to variance. Ett		hazardous constitu	ents (UHC):	
_				
L. Shipping and Handlin		<i>•</i>		
1) Shipping mode: Bulk Liquid		ma 📆 Other 🔲		
2) Bulk Container Type: Vec 1	Tank Truck	, Dump Trailer . Roll O	#∏, Other	
3) Drum Container Type: Fibre 4) Frequency: One Time 7.				بخ کیک وی
	ns/ Gallons		], Other	<del></del>
6) DOT Hazardous: Yes 🗹	No [] , Marine Pollutant	Yes Not Poison inhal	ation Hazard? Yes	I No.P
7) DOT Shipping Name: Name:	o Domoge Deals	Technical Contituents:	-	
			) Hazard Class: _3	
11) EPA/State Hazardous Waste	Number's: (D, K, F, U, P)_	Peo/		
Generator Certification				
	aste stream was obtained ut	ing an EPA approved method ar	id corresponds to the	informatic
on this profile. I hereby certify that the above an	uri atterbad daendatien le	Moleta and postures and that = -	المنافعين مستعملات	
compositions of properties exist	s, and that all known or sug	ripiete end accorate and that no pected hazards have been discl	uencersis of Million osed.	omissions (
Generator's Authorized Si	•			
Keith Venance	Title	Herris Mon	Date57	9/9-
7			<del></del>	7

n, neavy iviolais	sed on: enerator knowledge	I. Toxicity Characte	ristic Organi	CS knowledge 🗸
Total LITCLP		M 1018 C 10CF	Analysis	Ò
(In parts per million)	Actual	•	parts per million)	Actual
D004 Arsenic Ø< 5		D012 Endrin	∑ <0.02	
D005 Barium	<del></del>	D013 Lindane D014 Methoxychior	[7],≪0.4 [7]<10.0	
D006 Cadmium 🚺 < 1		D016 Toxaphene	€0.5	
D007 Chromium		D016 2, 4 D	<b>7</b> 7 <10.0	
D007 Chromium		D017 SINex (2, 4 5-TP)	<b>Ø</b> <1.0	-
D009 Mercury 2 <0.2		D018 Benzene D019 Carbon Tetrachloride	12] <0.5 [7] <0.5	
		D020 Chiordane	Ø <b>40.03</b>	
D010 Selenium		D021 Chlorobenzene	位<100	
Copper		D022 Chloroform	<b>Д</b> ≪8.0	
Nickei		D023 O-Cresol	<i>1</i> 71 <b>&lt;2</b> 00	
Zinc		D024 M-Cresol D025 P-Cresol	77 <b>≥</b> 200 12 <b>≥</b> 200	
Other (s):		D026 Creeols	₹2 <del>200</del>	
Culti (e).		D027 1, 4 Dichlorobenzene	7.8	
		D028 1, 2 Dichloroethane	Z] <b>&lt;</b> 0.5	
J. Other Components (parts	per million)	D029 1, 1 Dichloroethylene	22 <0.7	
•	per inscorry	D030 2, 4 Dinitrotoluene D031 Heptachior	77 <0.13 77 <0.006	
Cyanides, Total <u>J/o</u> Amena	ble Cyanide	D032 Hexachlorobenzene	<b>7</b> €0.13	
Sulfides, Total Reacti	ve Sulfide	D033 Hexachlorobutediene	<b>∑</b> 4.0	
Pesticides Herbic	ides T	D034 Hexachloroethane		
Ammonia PCB's,	Total	D035 Methyl Ethyl Ketone D036 Nitrobenzene	71 <b>€</b> 00	
HOC'S, Total VOC's	7	D037 Pentachiorophenol	任<100	. ————
	1000	D038 Pyridine	<b>1</b> 2 ≤ .0	
OSHA Carcinogens		D039 Tetrachloroethylene	Ø 40.7 Ø 40.8	
		D040 Trichloroethylene	<i></i>	
Other Hazardous Ingredients		D041 2, 4, 5 Trichlorophenoi D042 2, 4, 6 Trichlorophenoi	12 <400 12 <2.0	
		D043 Vinyl Chioride	171 <del>4</del> 02	
K. Land Disposal Restriction		2) le waste a waste non-wa		
•	ZY⇔ □No	3) le weste a debris		
if yes, complete enclosed LDR for Restricted waste requires treatme		4) le waste a soil?	Yes ZA	
☐ Waste meets treatment standards		5) identify all waste	subcategories and	underlying
☐ Waste aubject to variance. Effect		hazardous constitue	ints (UHC):	
		4		
L. Shipping and Handling		•		24 6.
1) Shipping mode: Bulk Liquid [				They
2) Bulk Container Type: Vec Truc	k 🔲 , 💹 Tank Truck 🔲 ,	Dump Trailer [] , Roli O		
3) Drum Container Type: Fibre [],	Poly M. Closed Heed			Bize 55 sallon
4) Frequency: One Time ☑, V 5) Volume per shipment: Dryms _	Veeldy 🔯 , Monthly 🖂 32 . Gallons	, Quarterly . Yearly	], Other	<del></del> .
		Yes No D. Poleon Inhela	rtion Hazard? Ye	ATT NO DÍ
7) DOT Shipping Name: WASTE A		Technical Contituents:		
8) DOT ID #: UNA 1987 RO		aging Group:10	Hezerd Class:	3
11) EPA/State Hazardous Waste Nur	nber'e: (D, K, F, U, P)	Dorl, pero 3		
Generator Certification				
A representative sample of the waste	stream was obtained usi	ng an EPA approved method an	d corresponds to th	e information
on this profile.	lashad daaadullas is see		dollhounte e cudict :	amalaada
I hereby certify that the above and at compositions or properties exists, as				CANIBEROUS OL
Generator's Authorized Signa	•			. !
Kuth Terraner		Append men	Date	79/95

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### AD38233 .

D. Waste	Information					
Common Narr	e of Waste	DEA CET	YL PHOSPA	OTE ML		
Detailed Desc					ust be provided, attac	h edditional sheets
if necessary)	land to san	to with 1	ieth I a	wit to make	dittant own	and and all
derla	t dags The	o Both B	whit si es	tierel at	on by poor	and divisid
si Lum	al forder					
	used in process					
E. Regula	itory Inform	ation				
		_	Ø Yœ		Comments	
	i EPA hazardous v i EPA listed hazar		₩ Yes	□ No		
	rom a listed sourc		☐ Yes	12 No		
-	B waste regulated m or derived from	•	) ( <b>#</b> Yee	<b>函No</b>		
4) Is this a Sta	ite Hazardous Wa	ste?	) <b>(4)</b> Yes	□ No		· · · · · · · · · · · · · · · · · · ·
5) is this wast	e generated from a ion?	e CERCLA	☐ Yes	[3/ho		
	odn bearing waste	as per 40 CFR	L			
part 261.31	? e infectious or me	dical waste?	□ Yes □ Yes	回No		
8) is this wast		GCG: WGS(GT	Ŭ Y⊶	☑ No		
9) is this wast		io O d Marina	☐ Yes	Ø No		
•	aste contain debri ype & percentage			☑ No		
•	aste contain meta		17 ☐ Y●	Ø No		
	este contaîn esbe ne type)Friebie 🗌		☐ Yes	প্ৰ No		
13) Does this w	aste contain solve	ents or volatile on	anic .			
	i? (If yea, provide : subject to Benzen			□ No		
•	enzene by weigh		☐ Yes	☑ No		
E Chamia	al Composit	ion				
			ante (Trede r	ames are not ac	centehle)	· · · · · · · · · · · · · · · · · · ·
Cibi dii 1422210	ood and non-naz	arcos coristic	ence (Trace i	Minimum %	Average %	Maximum %
· CETYL	PHOSPHATE			/	7.1.0.0.00	2
·	INOL AMEN	£				2
	VOL ANTINE S		······································	,		2
A ZPA	voc mane			95		98
				7-2		78
5					-	-
6			<del></del>		-	
7			<del></del>			· · · · · · · · · · · · · · · · · · ·
Total (Must ad	d up to 100%)					
G. Physica	al Character	istics Of W	ast <b>e</b>	<u> </u>		Bolvente/Olie/(Optional)
LANGT A	Bracile Grade		Carnabilis (pH)	Succe	Physical State 70° F	Culturis Contact STUffeel
Cates	0410 0410 1013	Elent Pales	B 200	Unamble	Dis/Rodel misture (F/Ceptel   Debtel	% Halogure
D. HOHE	0 1012	10° F-100° F	0 514 0 60 0 61240 0 71240	☐ Water reactive ☐ Cyprete ☐ Subtes	- Somi-cald - Powder	
O STRONG	Yearshy	0 101° F-130° F	] -	Employers  Garnerates trade	Cardy plan	*** ·
Describe:	To Low   High	Actual:	Actual pH:	tunes (1) Other	% Proc touto 200	

H. Heavy Metals  Based on: Generator knowledge	I. Toxicity Characteristic Organics  Based on: Generator knowledge			
Total TCLP Analysis	Ly Total Li Tour Analysis			
(In parts per million) Actual	(In parts per million) Actual			
D004 Arsenic	D012 Endrin			
D005 Barium / < 100	D013 Lindane /7/ <0.4			
D006 Cedmium	D014 Methoxychlor			
D007 Chromium	D018 2, 4 D			
D008 Lead 7/1 < 5	D017 Silvex (2, 4 5-TP)			
D009 Mercury	D018 Benzene			
D010 Selenium Zi < 1	D019 Carbon Tetrachioride 20.8			
D011 Silver Z < 5	D020 Chlordane 77 <0.03			
	D022 Chloroform /Z <6.0			
Copper	D023 O-Creed /2 <200			
Nickel	D024 M-Cresol			
Zino	D025 P-Creed /200			
Other (s):	D026 Cresols /7 <00			
	D028 1, 2 Dichloroethane			
	D029 1, 1 Dichloroethylene Z <0.7			
J. Other Components (parts per million)	D030 2, 4 Dinkrotoluene			
Cyanides, Total <u>VIO</u> Amenable Cyanide <u>VIO</u>	D031 Heptachior			
	D032 Hexachlorobenzene 72 <0.13			
Suffidee, Total Reactive Suffide	D033 Hexachlorobutadiene 27 <0.5			
Pesticides Herbicides	D035 Methyl Ethyl Ketone 2 200			
Ammonia PCB's, Total	D036 Nitrobenzene			
HOC'S, Total VOC's, Total 4-376	D037 Pentachiorophenol 20 <100			
OSHA Carcinogens	Dosa Pyridine Co.0			
	D039 Tetrachloroethylene Z <0.7			
Other Heavening Incominate	D041 2, 4, 5 Trichicrophenol 2 400			
Other Hazardous Ingradients	D042 2, 4, 6 Trichlorophenol D<2.0			
	D043 Vinyl Chloride Z <0.2			
K. Land Disposal Restrictions  1) is waste subject to land ban?  Yes No if yes, complete enclosed LDR form. Restricted waste requires treatment Waste meets treatment standards Waste subject to variance. Effective until (date)	2) is waste a wastewater or non-wastewater 3) is waste a debrie? Yes No 4) is waste a sol? Yes No 5) identify all waste subcategories and underlying hazardous constituents (UHC):			
L. Shipping and Handling  1) Shipping mode: Bulk Liquid   Bulk Solid   Drums   Other    2) Bulk Container Type: Vac Truck  , Tank Truck  , Dump Trailer  , Roll Off  , Other    3) Drum Container Type: Fibre  , Poly  , Closed Head Steel  , Open Heed Steel  , Other   Size   Size    4) Frequency: One Time  , Weeldy  , Monthly  , Quarterly  , Yearly  , Other    5) Volume per shipment: Drums   , Gallons  , Ton/Yards    6) DOT Hazardoue: Yes   No  , Marine Pollutant Yes   No  , Poleon Inhalation Hazard? Yes   No    7) DOT Shipping Name:   VASTOR   Discuss of Lacase   Marine Pollutant   Confidents:				
	keging Group: 10) Hezerd Clees:			
11) EPA/State Hazardous Waste Number's: (D, K, F, U, P)_	406/			
Generator Certification				
	inn an EDA annound mathad and announced to the information			
A representative sample of the waste stream was obtained us on this profile.	ring an EPA approved method and corresponds to the information			
I hereby certify that the above and attached description is co	mplete and accurate and that no deliberate or willful omissions of			
compositions or properties exists, and that all known or sus				
Generator's Authorized Signatory:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Title Mr	Hecals MGA DOMO 579/90			

~~ !!!! <b>!</b>	ntormation of Waste	sociam kn	OPOSULFS	75		
necessary)	_	is Generating W	,	•	must be provided, attac	
law materials	used in proces	B:				
E. Regula	tory Inform	ation				
1) is this a US	EPA hezardous	waste?	WY OO	□ No	Comments	
•	EPA listed hazar om a listed sourc	•	<b>□ Yee</b>	12/No		
) is this a PCE	B waste regulated	by TSCA? (le		D/No _		•
	n or denved from te Hazardous Wa	source >50 ppm ste?		□ No	·	
) is this waste	generated from		_	MNo		
cleanup activities ( ) is this a Diox	on? xin bearing waste	as per 40 CFR	□ Y●●	<b>-</b> /		
part 261.31?	?		☐ Yee	□‰ —		
) is this waste ) is this waste	infectious or me radioactive?	dical waste?	☐ Yes	12 No		<del></del>
) is this waste	explosive?		☐ Yes	≥ No		
	nete contain debr rpe & percentage			6 No _		
Does this we	aste contain meti	llic fines/powders		<b>⊠</b> №		
	aste contain aebe e type) Frieble [	esce? } , Non-Friable □	□ Y ***	pino _		
) Does this wa	aste contain solvi	ents or volatile org	panic			
		apacific constitue le NESHAP regula		E/No	<del></del>	
	enzene by weigh		□ Yee	<b>ĕ</b> ‰ _		
Chemics	al Composi	lion				
		ardous constitu	ents. (Trade r	ames are not a	(cceptable)	<u> </u>
	•		•	Minimum %	Average %	Maximum %
Soazem	MOROSU	UPSTE			100	
			-			
				<del></del>		
						<del></del>
				· · · · · · · · · · · · · · · · · · ·		_
	1 up to 100%)					
otal (Must add	1 up to 100%)	istics Of W	aste			Solvents/Oile/(Options
otal (Must add	1 up to 100%)		Comptille	Beauthity	Physical State 70° F	_
otal (Must add	up to 100%)	istics Of W	Committee (p49)	Baschite.	Physical State 20" F	Solvents/Olls/(Options
otal (Must add	up to 100%) I Character	istics Of Wi	Committee (p49)	Beachdy:	Physical State 70° F	Solverite/Offe/(Optiona Curete Centent 87U/gas
otal (Must add	Character	istics Of W	Committee (940)	Beachille Dyna (Sino	Physical State 20" F	Solverite/Offe/(Optiona Curete Centent 87U/gas

H. Heavy Met	Bis Based on: Generator knowledge [2	<ul><li>I. Toxicity Character</li></ul>	ristic Organi	CS _
Total TCLP	Analysis [	TOTAL TOTAL	aed on: Generator Analysis	Knowledge 🖸
_	parts per million) Actual	(In	perts per million)	Actual
D004 Arsenic	<b>1</b> /2 5	D012 Endrin	Ø <0.02	
D005 Barlum	<b>1</b> /2 < 100	D013 Lindane	<b>∠</b> 40.4	<del></del>
D006 Cadmium	<b>∠</b> 1	D014 Methoxychlor D015 Toxaphene	12) <10.0 17₁ <0.5	~ ~ ~ ~ ~ ~ · · · · · · · · · · · · · ·
D007 Chromium	石 < 5	D010 2, 4 D	ZZ <10.0	
D008 Lead	<i>t</i> i√ 5	D017 Slivex (2, 4 5-TP)	<b>Æ</b> 1.0	
D009 Mercury	₹ <b>7</b> <0.2	D018 Benzene D019 Carbon Tetrachloride	<b>47.5</b> 121 ≪0.5	
D010 Selenium	<b>初</b> < 1	. D020 Chlordane	17] <0.5 47] <0.05	<del></del>
D011 Silver	<b>1</b> /2 < 5	D021 Chlorobenzene	17 <100	
Copper	7	D022 Chloroform	₩ 45.0	<del></del>
Nickel		D023 O-Cresol D024 M-Cresol	121 <200 171 <200	
Zinc		D025 P-Creed	# <b>200</b>	
Other (s):		D026 Cresols	<b>1 200 200</b>	
		D027 1, 4 Dichlorobenzene	<b>7</b> ₹7.5	
		D028 1, 2 Dichloroethane	177 ≪0.8 173 ≪0.7	
J. Other Comp	OONENTS (parts per million)	D090 2, 4 Dinitrotoluene	<b>亿 &lt;0.13</b>	
	16 Amenable Cyanida Nh	D031 Heptachlor	<b>1</b> 75, ≪0.000	
Cyanides, Total		D032 Hexachlorobenzene	20.13	
Sulfides, Total	Reactive Sulfide	D033 Hexachlorobutaciene D034 Hexachloroethene	171 ≪0.5 121 ≪3.0	
Pesticides .	Herbicides	D035 Methyl Ethyl Ketone	<b>1</b> 3 ≥∞	
Ammonia .	PCB's, Total	D038 Nitrobenzene	<b>₹ 2.</b> 0	
HOC'S, Total	VOC's, Total V	D037 Pentachiorophenol D038 Pyridine	<b>1</b> 2 <100·	
OSHA Carcinogene		D039 Tetrachioroethylene	A -1 2	
		D040 Trichloroethylene	包<0.5 "	
Other Hazardous Ingre	dents	DO41 2, 4, 5 Trichlorophenol	Z <400-	
		D042 2, 4, 6 Trichlorophenol D043 Vinyi Chloride	<b>1</b> 2 ≪ 2.0	
	فتوا الكالية والتنافية والمستارين والمستارين والمراجع والمراجع والمراجع والمراجع والمستارين والمراجع والمراجع			
	sal Restrictions	2) le waste a waster	water or	
1) le waste subjet	at to land ban? Extres I No	2) le waste a waster non-was	water or	
1) le waste subject propiet le la la la la la la la la la la la la la	zt to land ban? 🔀 Yes 🔲 No a enclosed LDR form.	2) le weste a waster non-was 3) le waste a debrie 4) le waste a soil?	vater or	)
1) is waste subject by the second of the sec	at to land ban? Extres I No	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soli? 5) identify all waste	vater or	)
1) is waste subject if yes, complete if Restricted was if Waste meets to	x to land ban?	2) le waste a waster non-was 3) le waste a debris 4) le waste a soil? 5) identify all waste	vater or	)
1) is waste subject if yes, complete if Restricted was if Waste meets to	x to land ban?	2) le waste a waster non-was 3) le waste a debris 4) le waste a soil? 5) identify all waste	vater or	)
1) is waste subject  If yes, complete  Restricted was  Waste meets to  Waste subject	x to land ban?	2) le waste a waster non-was 3) le waste a debris 4) le waste a soil? 5) identify all waste	vater or	)
1) is waste subject  If yes, complete Pestricted was Waste meets to Waste subject  L. Shipping an	x to land ban?	2) le weste a waster non-was 3) le waste a debrie 4) le waste a soil? 5) identify all waste hazardous constitue	vater or	)
1) Is waste subject  # yes, complete # Restricted was  Waste meets to Waste subject  L. Shipping and	x to land ban?	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil? 5) identify all waste hazardous constitue	vater or	)
1) Is waste subject  If yes, complete  Restricted was  Waste meets to Waste subject  L. Shipping and 1) Shipping mode 2) Bulk Container	x to land ban?	2) is waste a waster non-was 3) is waste a debris 4) is waste a soil? 5) identify all waste hazardous constitue	water or	)
1) Is waste subject  If yes, complete Pestricted was Waste meets to Waste subject  L. Shipping and 1) Shipping mode 2) Bulk Container 3) Drum Container	to land ban?	2) is waste a waster non-was 3) is waste a debris 4) is waste a soil? 5) identify all waste hazardous constitue  nums   Other   Dump Trailer   Roll Of Steel  Open Head Steel	water or	underlying
1) Is waste subject  # yes, complete # Restricted was   Waste meets to   Waste subject  L. Shipping and 1) Shipping mode 2) Bulk Container 3) Drum Container	to land ban?	2) is waste a waster non-was 3) is waste a debris 4) is waste a soil? 5) identify all waste hazardous constitue hazardous constitue Dump Trailer   Roll Of	water or	Size _55 gAla
1) Is waste subject  If yes, complete If Restricted was If Waste meets to If Waste subject  L. Shipping and 1) Shipping mode 2) Bulk Container 3) Drum Container 4) Frequency: 5) Volume per shi 6) DOT Hazardou	x to land ban? Yes No a enclosed LDR form. te requires treatment reatment standards to variance. Effective until (date)  d Handling : Bulk Liquid D Bulk Solid D Type: Vac Truck D, Tank Truck P r Type: Pibre D, Poly , Closed He One Time D, Weeldy D, Monthly preent: Drums, Gallone s: Yes No D, Marine Pollutar	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil? 5) identify all waste hazardous constitue hazardous constitue  out Steel, Open Head Steel, Ton/Yarde, Toleon inhele	water or	Size _55 gAla
1) Is waste subject  If yes, complete If	to land ban? Yes No a enclosed LDR form. te requires treatment reatment standards to variance. Effective until	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil? 5) identify all waste hazardous constitue hazardous constitue constitue not Steel, Poleon inhele of yea.Technical Contituents:	water or	Size _55 gAla
1) Is waste subject  If yes, complete If Restricted was If Waste meets to If Waste subject  L. Shipping and 1) Shipping mode 2) Bulk Container 3) Drum Container 4) Frequency: 5) Volume per shi 6) DOT Hazardou 7) DOT Shipping 8) DOT ID at Usi	to land ban? Yes No a enclosed LDR form. te requires treatment reatment standards to variance. Effective until	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil? 5) identify all waste hazardous consilius hazardous consilius consilius nums Dump Trailer Rofl Of Courterly No No No Poison inheis ar qu. Technical Contituents: ackaging Group:	water or	Size _55 gAla
1) Is waste subject  If yes, complete If yes, complete If Restricted was If Waste meets to If Waste subject  L. Shipping and 1) Shipping mode 2) Bulk Container 3) Drum Container 4) Frequency: 5) Volume per shi 6) DOT Hazardou 7) DOT Shipping 8) DOT ID 8: (USA) 11) EPA/State Hazardou	to land ben? Yes No a enclosed LDR form. te requires treatment reatment standards to variance. Effective until	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil? 5) identify all waste hazardous consilius hazardous consilius consilius nums Dump Trailer Rofl Of Courterly No No No Poison inheis ar qu. Technical Contituents: ackaging Group:	water or	Size _55 gAla
1) Is waste subject  If yes, complete  The Restricted was  Waste meets to  Waste subject  L. Shipping and  1) Shipping mode  2) Bulk Container  3) Drum Container  3) Drum Container  4) Frequency:  5) Volume per shi  6) DOT Hazardou  7) DOT Shipping  8) DOT ID #: UBM  11) EPA/State Haz  Generator Cer	to land ban? Yes No e enclosed LDR form. te requires treatment reatment standards to variance. Effective until	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil? 5) identify all waste hazardous constitue hazardous constitue constituents to Yee No'S, Poleon inhelated acceptance of the poleon inhelated acceptance of th	reter or   / / / / / / / / / / / / / / / / / /	Size Salla
1) Is waste subject  If yes, complete If Restricted was Waste meets to Waste subject  L. Shipping and 1) Shipping mode 2) Bulk Container 3) Drum Container 3) Drum Container 4) Frequency: 5) Volume per shi 6) DOT Hazardou 7) DOT Shipping 8) DOT ID #: (LIM) 11) EPA/State Haz  Generator Cer A representative	to land ben? Yes No a enclosed LDR form. te requires treatment reatment standards to variance. Effective until	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil? 5) identify all waste hazardous constitue hazardous constitue constituents to Yee No'S, Poleon inhelated acceptance of the poleon inhelated acceptance of th	reter or   / / / / / / / / / / / / / / / / / /	Size Salla
1) Is waste subject  If yes, complete  If Restricted was  Waste meets to  Waste subject  L. Shipping and  1) Shipping mode  2) Bulk Container  3) Drum Container  3) Drum Container  4) Frequency:  5) Volume per shi  6) DOT Hazardou  7) DOT Shipping  8) DOT ID #: U.S.  11) EPA/State Haz  Generator Cer  A representative on this profile. I hereby certify the	to land ban? Yes No a enclosed LDR form. te requires treatment reatment standards to variance. Effective until	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil? 5) identify all waste hazardous considue hazardous considue  nums   Other	water or	Size
1) Is waste subject  If yes, complete If Restricted was Waste meets to Waste subject  L. Shipping and 1) Shipping mode 2) Bulk Container 3) Drum Container 3) Drum Container 4) Frequency: 5) Volume per shi 6) DOT Hazardou 7) DOT Shipping 8) DOT ID #: (LIM) 11) EPA/State Haz  Generator Cer A representative on this profile. I hereby certify the compositions or	to land ban? Yes No e enclosed LDR form. te requires treatment reatment standards to variance. Effective until	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil? 5) identify all waste hazardous considue hazardous considue  nums   Other	water or	Size
1) Is waste subject  If yes, complete If Restricted was Waste meets to Waste subject  L. Shipping and 1) Shipping mode 2) Bulk Container 3) Drum Container 3) Drum Container 4) Frequency: 5) Volume per shi 6) DOT Hazardou 7) DOT Shipping 8) DOT ID #: (LIM) 11) EPA/State Haz  Generator Cer A representative on this profile. I hereby certify the compositions or	to land ben? Yes No a enclosed LDR form. te requires treatment reatment standards to variance. Effective until	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil? 5) identify all waste hazardous consilius hazardous consilius nums   Other	water or	No S  Vi 2  information omissions of
1) Is waste subject  If yes, complete If Restricted was Waste meets to Waste subject  L. Shipping and 1) Shipping mode 2) Bulk Container 3) Drum Container 3) Drum Container 4) Frequency: 5) Volume per shi 6) DOT Hazardou 7) DOT Shipping 8) DOT ID #: (LIM) 11) EPA/State Haz  Generator Cer A representative on this profile. I hereby certify the compositions or	to land ban? Yes No e enclosed LDR form. te requires treatment reatment standards to variance. Effective until	2) is waste a waster non-was 3) is waste a debrie 4) is waste a soil? 5) identify all waste hazardous consilius hazardous consilius nums   Other	water or	No S  Vi 2  information omissions of

### AD38226.

D. Waste information			<del></del>	
Common Name of Waste				
Detailed Description of Process Generating Waste	. ( A detai	led description m	ust be provided, attac	ch additional sheets
If necessary)	. )	414	_	
- Resoning solution (intermely	de/ u	thick so me	e luge si sea	de te fine
			· · · · · · · · · · · · · · · · · · ·	
Raw materials used in process;				
E. Regulatory Information				
1) is this a US EPA hazardous weste?	- Free	, , , , , , , , , , , , , , , , , , ,	Comments	
2) is this a US EPA listed hazardous waste.	- TALES	□No		AVI C
or derived from a listed source? (F, K, U, P)	☐ Yes	™ No		<b>*</b> • • • • • • • • • • • • • • • • • • •
3) is this a PCB waste regulated by TSCA? (is		<b>_</b> /.		000
PCB>50 ppm or derived from source >50 ppm) 4) Is this a State Hazardous Waste?	□ Xee	B No		THE TANKS
5) Is this waste generated from a CERCLA	DM (			\$10-86, C.
cleanup action?	☐ Yes	也No	· · · · · · · · · · · · · · · · · · ·	the state of the same
6) is this a Dioxin bearing waste as per 40 CFR part 261.31?	CT V	1	•	11. 14
7) is this waste infectious or medical waste?	☐ Yee			
8) is this waste radioactive?	□ Y••	. □2No		sie <b>G</b> egal were we
9) is this waste explosive?	☐ Yes	<b>D</b> No	3.	
10) Does this waste contain debrie? (If yes, please list type & percentage in section F)	□ Yes	E1No	the contraction	
11) Does this waste contain metallic lines/powders?	Yes	12 No		
12) Does this waste contain asbestoe?			1 11 1	
(If yes, define type) Friable [], Non-Friable []	□ Yee	国 No		
<ol> <li>Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)</li> </ol>	□ Yee	MO		0.5
14) is this waste subject to Benzene NESHAP regulation?				William Wall
(>10 ppm, benzene by weight)	□ Yes	Mo		
F. Chemical Composition				
	<u></u>		· · · · · · · · · · · · · · · · · · ·	<u> </u>
List all hazardous and non-hazardous constituents	. (Irace n			
. X. N		Minimum %	Average %	Maximum %
BISMUTH SUBMETERS		<b>3</b> /		95
ACERIC DOED		/		<b>3</b>
S LISTING C ROSED		<i>J</i> .	•	2
MITER		55		. 45
5			-	
				1.5
	<del></del> -		•	
Total (Must add up to 100%)		•		
G. Physical Characteristics Of Waste	a	1.		
	-	T		Solvents/Oils/(Optiopal)
AAAK I I I I I I I I I I I I I I I I I I	(h) ()		Physical State 70° F	Coloris Contart STUTE
0 48 0 190 Cyfn 20 18-13 Dank Brist 0 18-13 Dank Br	£20	O Unadable	Dis Ante miner	Ti Habipario .
D	201-4 9-0	Oyenda	G Sami cata G Pender	. /
	₽12.00 ≥18.00	D Explicited	Digital Digitality	11.00
77 CHI 17 Man 165 2 140" F	d pit:	Operation tests	% Presidentes _d20	W Water
DUNGENT   Medium   Americ		DON'	Amended Type Diss	1 " <del>"</del> "

4 2215950313 H13 AD 38226

H, Heavy Metals  Based on: Generator knowledge	I. Toxicity Characteristic Organics Based on: Generator knowledge
Total ☐ TCLP Analysis ☐	M 100m L 10LP Analysis
(In parts per million) Actual	(in perts per million) Actual
D004 Arsenic 12 < 5	D012 Endrin
D005 Barium 1/2 <100	D013 Lindane (7) <0.4
D006 Cadmium 171 < 1	D014 Methoxychlor
0007 Chromium 47 < 5	D016 2, 4 D /2 <10.0
D008 Lead 17/< 5	D017 Stivex (2, 4 8-TP) /2 <1.0
77	D018 Benzene /12 40.5
77	D019 Carbon Tetrachloride 72 < 0.5
DO10 Selenium Ø < 1	D020 Chlordene (// <0.03 D021 Chlorobenzene (// <100
D011 Silver	D021 Chloroform 47 <8.0
Copper	D023 O-Creeci
Nickel	D024 M-Creeol
Zine	D025 P-Creed 22 <200
Other (s):	D026 Creecie
	D027 1, 4 Dichlorobenzene 77 <7.5 D028 1, 2 Dichloroethane 70 <0.5
	D029 1, 1 Dichloroethylene 6 <0.7
J. Other Components (parts per million)	D030 2, 4 Dinitrotoluene 77 <0.13
Ovanides, Total N/D Amenable Cyanide N/D	D031 Heptachlor 22 <0.008
	D332 Hexachlorobenzene 73-0.13
Sulfides, Total Reactive Sulfide	D033 Hexachiorobutadiene 73 <0.5
Pesticides Herbicides	D035 Methyl Ethyl Ketone 200
Ammonia PCB's, Total	D036 Nitrobenzene 2.0
HOC'S, Total VOC's, Total V	D037 Pentschlorophenol 2 <100
OSHA Carcinogens	DO38 Pyridne Z 4.0
Conn Cardingens	DO39 Tetrachioroethylene Ø 40,2
	D041 2, 4, 5 Trichiorophenol 22 <400
Other Hazardous Ingredients	D042 2, 4, 6 Trichlorophenol 22.0
	D043 Vinyl Chloride 2 <0.2
K. Land Disposal Restrictions	2) le weste a wastewater or D
1) is waste subject to land ban? WYes No	3) le waste a debrie?
if yes, complete enclosed LDR form.  Restricted waste requires treatment	4) is waste a soil? Yee- No
☐ Waste meets treatment standards	<ol><li>b) Identify all waste subcategories and underlying.</li></ol>
Waste subject to variance. Effective until (date)	hezardous constituents (UHC):
L. Shipping and Handling	
1) Shipping mode: Bulk Liquid   Bulk Solid   Dru	ms ( Other )
2) Bulk Container Type: Vac Truck . Tank Truck	
3) Drum Container Type: Fibre [], Poly [], Closed Head	Steel [], Open Head Steel [], Other Size Size
4) Frequency: One Time (2); Weekly □, Monthly (	
5) Volume per shipment: Drums 2, Gallons	, TonYerds
6) DOT Hazardous: Yea No , Marine Pollutant	Yes No. Poison Inhalation Hazard? Yes No.
7) DOT Shipping Name: 44578 CALABORE COMMENT	
8) DOT ID #: (DANA 1760 RQ# 9) Pec 11) EPA/State Hazardous Waste Numbers: (D, K, F, U, P)	
Generator Certification	
	sing an EPA approved method and corresponds to the information
on this profile.	
<ul> <li>hereby certify that the above and attached description is co compositions or properties exists, and that all known or sue</li> </ul>	mplete and accurate and that no deliberate or wilful omissions of packed hazards have been disclosed.
Generator/subuthorized Signatory:	# ************************************
THE ME	texals Marcen Des 5/9/95

D. Waste Information				
Common Name of Waste	506FG	75		
Detailed Description of Process Generating Waste I necessary)  Reur matterial can me I	·	•	ust be provided, attac	th additional sheets
law materials used in process:				
E. Regulatory Information				
1) is this a US EPA hazardous waste?	You	□ No	Comments	
) Is this a US EPA listed hazardous waste,	_			
or derived from a lieted source? (F, K, U, P)  i) Is this a PCB waste regulated by TSCA? (Is	.□ Yes	Ø№		
PCB>50 ppm or derived from source >50 ppm)	☐ Yes	₩	·	· ·
) le this a State Hazerdous Waste?	Z Yes	□ No		
i) is this waste generated from a CERCLA cleanup action?	☐ Yes	MNO _		
i) is this a Dioxin bearing waste as per 40 CFR		_/		
part 261.31? ) is this waste infectious or medical waste?	□ Yes	10 No		<del></del>
) is this waste seedood of medical waste?  ) is this waste redicaceve?	Yes	Z No		
) is this waste explosive?	☐ Yes	₩ <sub>0</sub>		
Does this wasts contain debris? (if yes, please list type & percentage in section F)	□ Yes	No _		
) Does this waste contain metallic fines/powders?	Ŭ Y••	E No		
) Does this waste contain asbestos?	<b> -</b> -	12 No		
(If yes, define type) Friable ☐ , Non-Friable ☐ i) Does this waste contain solvents or volatile organic	;	K) 140		
compounds? (If yes, provide specific constituents)	□ Y ***	图No	···	
<ul> <li>is this waste subject to Benzene NESHAP regulation? (&gt;10 ppm, benzene by weight)</li> </ul>		1 No		
Chemical Composition				
st all hazardous and non-hazardous constituents	. (Trade r	ames are not ac	oeptable)	
-4		Minimum %	Average %	Maximum %
SURTEM INDROSURGE			100	
		·	· ·	
	<del></del> .		_	-
	<del></del>			
				-
otal (Must add up to 100%)				
. Physical Characteristics Of Wast	<b>.</b>	٠. ٠.		Solvents/Olls/(Options
Gales Sportig Stade Includiby	Committee 1970	Sandah,	Physical State 10" F	Calente Curante By Cape
D 44 0 0 0		Dy- 6-	DU-Adir man	
1 1412 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		O Water remotes	Dunder Dunder	· · · · · · · · · · · · · · · · · · ·
WED TO PRINCE	\$-12.49 ±12.50	Operate Operate Operate	Different Collections	200/
Telas Dies Dies Ann	ed pik	Constitute tests	15 Prop Styles	*****
Describe: Adust	•	[ [ ] [ ] [ ] [ ] [ ] [ ]	N. Total policy	% Back

ri, rieavy ivietals	seed on: enerator knowledge (a)	I. Toxicity Characte	eristic Organi esed on: Generator Analysis	CS knowledge [d
(In parts per million)	Actual	(In	parts per million)	Actual
D004 Arsenia IZI < 5		D012 Endrin	₽ 40.02	,
D005 Barium 17 <100		D013 Lindene	A 40.4	
7		D014 Methoxychlor	<b>1</b> 27 <10.0	
D006 Cadmium Ø < 1		D016 Toxaphene	(T <0.5	
D007 Chromium 47 < 5	<del></del> [	D016 2, 4 D	<b>Ø</b> ≤10.0	
D008 Lead		D017 Silvex (2, 4 5-TP) D018 Benzene	171 <1.0 171 <0.5	
D009 Mercury [2] <0.2		D019 Carbon Tetrachloride	12 0.8	
D010 Selenium (7) < 1		D020 Chlordene	<b>₹ ₹ 3 . 3 . 3</b>	
D011 Silver		D021 Chlorobenzene	12∫:<100	
Copper		D022 Chloroform	12 4.0	
Nickel		D023 O-Cresol D024 M-Cresol	77,≪∞ 17,≪∞	. ———
Zinc		D025 P-Cresol	#7:200	
Other (s):		D026 Greeole	A7 200	
		D027 1, 4 Dichlorobenzene	12 ×7.5	
		D028 1, 2 Dichloroethane	17 <0.5	
J. Other Components (parts		D029 1, 1 Dichloroethylene	17-0.7	
· • • • • • • • • • • • • • • • • • • •		D030 2, 4 Dinitrotoluene D031 Heptachior	770.13 770.008	•
Cyanides, Total Amena		D032 Hexachlorobenzene	77-0.13	
· · · · · · · · · · · · · · · · · · ·		D033 Hexachiorobutedene	7.05	
Peetloides Herbio		D034 Hexachioroethene	<b>17</b> ) 43.0	
		D035 Methyl Ethyl Ketone	17, ≥00	
		D036 Nitrobenzene D037 Pentachiorophenoi	47.€.0 AZ<100	
HOC'S, Total VOC's,		D038 Pyridine	7.50	
OSHA Carcinogene		D099-Tetrachloroethylene	7 22	
		D040 Trichloroethylene	图:	
Other Hazardous Ingredients		D041 2, 4, 5 Trichlorophenol	Z <400	
		D042 2, 4, 6 Trichlorophenol	<b>24.0</b>	<del></del>
		D043 Vinyl Chloride	4	
K. Land Disposal Restriction	one	2) la weste a waste	weter or	,
	Yes No	non-wa		
If yes, complete enclosed LDR for		3) is waste a debric		•
Flestricted waste requires treatme		4) is waste a soil?	Yes. White	
☐ Waste meets treatment standards		hazardous constitu		or oreside A
☐ Waste subject to variance. Effects	ve until (date)			
Shipping and Handling				
L. Shipping and Handling	·	<b>-</b>		•
1) Shipping mode: Bulk Liquid [			·	
2) Bulk Container Type: Vac Truc 3) Drum Container Type: Pibry		Dump Trailer [], Roll C		Step 55 miles
· · · · · · · · · · · · · · · · · · ·	Yeekiy □ . Monthly □ .	Quarterly □, Yearly		
5) Volume per shipment: Drums_	Gellone _	Ton/Yards	J. 04-41	<del></del>
		es No T. Poison Inhal	ntion Hazard? Ve	ACT NOT
7) DOT Shipping Name (445) She				
8) DOT ID #: CINNA /384 RQ			) Hezerd Class:	4.2
11) EPA/State Hazardous Waste Nun		0003		
Generator Certification				
A representative sample of the waste	stream was obtained using	an EPA approved method ar	nd corresponds to th	e information
on this profile.	`	•	·	
I hereby certify that the above and at compositions or properties exists, as	nd that all known or suspec			omissions of
Generator's Authorized Signa	tory:	1 1	_	1 :-
Kuth Tenance		legists MGR	Date (1	o jac

D. Waste Information  Common Name of Waste	uste. ( A detai			
Raw materials used in process:				
E. Regulatory Information				
1) is this a US EPA hazardous waste?	€ Yes	□N0	Comments	
2) is this a US EPA listed hazardous waste, or derived from a listed source? (F. K. U. P)	(DY00	WO _		
3) is this a PCS waste regulated by TSCA? (is PCB>50 ppm or derived from source >50 ppm) 4) is this a State Hazardous Waste?	□ Y 94 □ Y 94	No		
5) is this waste generated from a CERCLA cleanup action?	□ Yee	ENO _		
6) Is this a Dioxin bearing waste as per 40 CFR part 261.31? 7) Is this waste infectious or medical waste?	☐ Yea	£100 _		
8) is this waste radioactive? 9) is this waste explosive?	☐ Yes ☐ Yes	No		
10) Does this waste contain debrie? (If yes, please list type & percentage in section F)	□ Yee	Mo _		
<ol> <li>Does this waste contain metallic fines/powders?</li> <li>Does this waste contain asbestos?</li> <li>(If yes, define type) Friable . Non-Friable .</li> </ol>		[]No		
13) Does this waste contain solvents or volatile orga compounds? (If yes, provide specific constituent		□ Mo		
<li>14) In this waste subject to Benzene NESHAP regulation (&gt;10 ppm, benzene by weight)</li>		No _		
F. Chemical Composition				
List all hazardous and non-hazardous constitue	nts. (Trade n	ames are not ac Minimum %	cceptable) Average %	Meximum %
PROPORTY ACOUNT STO	7.7°	<b>6</b> 0	<del></del>	<b>G</b> o
TELPHENYL SULPMEN CHICA		Av		10
AMALONIATES				2
5				
Total (Must add up to 100%)				
G. Physical Characteristics Of Wa	ste			Solvente/Olle/(Optional)
Cugarian Date One	Carnabite (par)	Dree Gro	Physical State 70" F	Oatede Consuré STUber
Calcar Con 8.4-1.0 Banh Pains	200 2014 2014 2014 2014	C Unstable D Water regative D Cyteratio	Dischart return  Fringer Dische	To Planagerin
NOME 0 212 0 70° F	D 9-18-09	Davido	Carry Carry	\\

## , A038231

H. Heavy Metals  Total TCLP  Based on: Generator knowledge GAnelysis	II DA LOTA DEPORT COMPANY HOMEOFIE
(In parts per million) Actual	
	(In parts per million) Actual D012 Endrin (7 < 0.02
D004 Arsenic Z < 5	D013 Lindene 7 <0.4
D005 Barium	D014 Methoxychlor 12 <10.0
D006 Cadmium	- D015 Toxaphene (7 -0.5
D007 Chromlum 12 < 5	D016 2, 4 D
D008 Lead	D017 8ilvex (2, 4 6-TP)
D009 Mercury 2 <0.2	D018 Benzene
D010 Selenium I/I < 1	D019 Carbon Tetrachioride 740.5
D011 Silver 7 < 5	D020 Chlordene
<b>y</b>	D022 Chloroform 27 48.0
Copper	DO23 O-Creeol /7 400
Nickel	- D024 M-Creeol /2 200
Zinc	D025 P-Creed: 77 400 11 11 11 11 11 11 11 11 11 11 11 11 1
Other (a):	D026 Greecie 42 200
	D027 1, 4 Dichiorobenzene
	D029 1, 1 Dichloroethylene 7 40.7
J. Other Components (parts per million)	D030 2, 4 Dinitrotoluene 7 40.13
Cvanides, Total 16 Amenable Cvanide 16	D031 Heptachior 7 <0.008
	Mario
Sulfidee, Total Reactive Sulfide	D033 Hexachicrobutadiene 7<0.5
Pesticides Herbioldes	D035 Methyl Ethyl Ketone
Ammonia PCB's, Total V	D036 Nitrobenzane 7 4.0
HOC'S, Total VOC's, Total 1-3%	
OSHA Carcinogene	Dose Pyridiner
	1: D030 Tetrachigrosthylene
	D040 Trichloroethylene Z <0.8
Other Hazardous Ingredients	D042 2, 4, 6 Trioriorephenal Phis2.0
	D043 Vinyl Chloride P1<0.8
K. Land Disposal Restrictions	2) is waste a wastewater or CA
1) is waste subject to land ben?"  Yes No	8) is waste a debrief Yes 🗔 🏗 🖟
if yee, complete enciceed LDR form.  GRestricted weste requires treatment	4) is weste a soil?
☐ Waste meets treatment standards	6) Identify all waste subcategories and underlying
Waste subject to variance. Effective until (date)	hazardous constituents (UHC):
,	· A
L. Shipping and Handling	•
1) Shipping mode: Bulk Liquid : Bulk Salid : 5	Prume E Other []
2) Bulk Container Type: Vac Truck [], ,Tank Truck	
3) Drum Container Type: Fibre . Poly , Closed He	
4) Frequency: One Time (4), Wealdy (1), Monthly	
5) Volume per shipment: Drume, Gallone _	, Ton/Yerde
6) DOT Hazardous: Yee-2 No . Marine Polluter	
7) DOT Shipping Name: (A-A-THE Framewood Comma	
	ackaging Group: 10) Hazard Class:
11) EPA/State Hazardous Waste Numbers: (D, K, F, U, P)	
Generator Certification	•
	using an EPA approved method and corresponds to the information
on this profile.  I hereby certify that the above and attached description is	complete and accurate and that no deliberate or willful cralesions of
compositions or properties exists, and that all known or a	uspected hazards have been disclosed.
Generator's Authorized Signatory:	WHORIAIC MGR Date 5-19/95

#### D. Waste Information

Common Name of Waste American No Detailed Description of Process Generating Waste If necessary)  Linguin neuro material supports.	. ( A detail	ed description m		ch additional sheets
Raw materials used in process;				
E. Regulatory Information				
1) is this a US EPA hazardous waste? 2) is this a US EPA listed hazardous waste,	DV 00	□No	Comments	
or derived from a listed source? (F, K, U, P)  3) is this a PCB waste regulated by TSCA? (is PCB>50 ppm or derived from source >50 ppm)	☐ Yee	国No		
4) Is this a State Hazardous Waste? 5) Is this waste generated from a CERCLA cleanup action?  5) Is this a Diagle because waste as per 40 CER.	□ Yes	Ø/No		
<ul> <li>6) Is this a Dioxin bearing waste as per 40 CFR part 261.31?</li> <li>7) Is this waste infectious or medical waste?</li> <li>8) Is this waste radioactive?</li> <li>9) Is this waste explosive?</li> </ul>	□ Yes □ Yes □ Yes	25 25 25 35 35 35 35 35 35 35 35 35 35 35 35 35		
10) Does this waste contain debris? (If yes, please list type & percentage in section F) 11) Does this waste contain metallic fines/powders? 12) Does this waste contain asbestos?	□ Y96 □ Y96	12 No		
(If yes, define type) Friable , Non-Friable	☐ Yes	© N° —		
(>10 ppm, benzené by weight)	□Yes	. Ø No		
F. Chemical Composition  List all hazardous and non-hazardous constituents	s. (Trade n	Minimum %	ceptable) Average %	Maximum %
AMMONDUM HYPROPERE		25 70		<u>30</u>
4				
8				
Total (Must add up to 100%)	•			
G. Physical Characteristics Of Wast	9			Salvente/Offe/(Optional)
CLEAR   Decomposite   Labelle   Colored   Colo	\$8.0 2.01-6 8-0	Sandaba 	Physical State 79° F    1946   1950   1960     1946   1960   1960     1960   19	Coloris Contains STUdged N. Histografia
Manually D 10° F-100° F STRONG	\$-12.60 212.60	College	Disper Disper	

H. Heavy Metals    Comparison	THE CONTRACT COLOR CONSEQUENT CONTRACTOR INCOME CONTRACTOR CONTRAC
(in parts per million)	Actual (In parts,per million) Actual
D004 Arsenic	D012 Endrin 0 <0.02
D005 Barium 121 <100	D013 Lindene 42 <0.4
D006 Cadmium D1 < 1	D014 Methaxychlor (Z <10.0
	D015 Toxaphene
D007 Chromium 2 < 5	0016 2, 4 D
D008 Lead	D017 \$livex (2, 4 5-TP)
D009 Mercury	D018 Benzene . Ø <0.5
	D019 Carbon Tetrachloride 10 <0.5
D010 Selenium 22 < 1	D020 Chlordane 17 <0.09
D011 Silver 位 < 5	Do21 Chlorobenzene
Copper	D022 Chloroform \$\mathcal{D} \displays 0.0
• •	Do23 O-Creed (2) <200
Nickel	D024 M-Creeol
Zinc	D026 P-Creeol
Other (s):	D026 Creeols
	D027 1, 4 Dichiorobenzene 💋 <7.5
	D026 1, 2 Dichloroethane Ø <0.5
	D029 1, 1 Dichloroethylene 17 <0.7
J. Other Components (parts per mill)	ion) DOSC 2, 4 Dinitrotoluene 🕢 🗸 13
ella	D091 Heptachior 20 <0.008
Cyanides, Total Amenable Cyani	ide No D032 Hexachlorobenzene 17 40,13
Sulfides, Total Reactive Sulfide	4 N
	D034 Hexachioroethane 2 4.0
Pesticides Herbicides	D035 Meltryl Ethyl Ketone 17 200
Ammonia PCB's, Total	D036 Nitrobenzene 7 4.0
HOC'S, Total VOC's, Total	D037 Pentachlorophenol 2 <100
	Dogs Pyridine 7/ <5.0
OSHA Cardinogens	D039 Tetrachloroethylene 42 <0.7
\	
Other Hamadaus Inom diame	D041 2, 4, 5 Trichlorophenol 77 ct00
Other Hexardous Ingredients	D042 2, 4, 6 Trichlorophenel (1) 2 2.0
	DO49 Vinyl Chloride
K. Land Disposal Restrictions	2) is waste a wastewater or
1) is waste subject to land ban? Yes	T No Ton-weithweiter
if yes, complete enclosed LDR form.	3) le weste e debris? 📋 Yes 💯 No
Restricted waste requires treatment	4) is weste a soil? Yes PNo
Maste meets treatment standards	5) Identify all waste subortegories and underlying
☐ Waste subject to vertence. Effective until _	hand-lavin and other and Markette
Manage accident to semantice. Suppose mitin —	(00.00)
L. Shipping and Handling	
1) Shipping mode: Bulk Uquid   Bulk S	Bolid Drume (*) Other 🗆
	Tank Truck ( , Dump Trailer ( , Roll Off ( ), Other
	Closed Head Steel . Open Head Steel . Other
4) Frequency: One Time &, Weekly	
5) Volume per shipment: Drume 7	Gallons, TonYards
	rine Poliutant Yes 🗍 No 🗹, Poleon inhalation Hazard? Yes 🔲 No 🖼
7) DOT Shipping Name: 4577 4 America	
8) DOT ID 4: WINA - CYA RO #	9) Packaging Group: 10) Hezard Class: 8
11) EPA/State Hazardoue Waste Number's: (D	
Benerator Certification	
	vite obtained using an EPA approved method and conver onde to the information
A representative sample of the waste stream w	vas obtained using an EPA approved method and corresponds to the information
A representative sample of the waste stream won this profile.	
A representative sample of the waste stream won this profile.  I hereby certify that the above and strached de	was obtained using an EPA approved method and corresponds to the information accription is complete and accurate and that no deliberate or wilful omissions of I known or suspected hazards have been disclosed.
A representative sample of the waste stream won this profile.  I hereby certify that the above and attached de compositions or properties exists, and that all	recription is complete and accurate and that no deliberate or willful amissions of I known or suspected hazards have been disclosed.
A representative sample of the waste stream won this profile.  I hereby certify that the above and attached de compositions or properties exists, and that all	escription is complete and accurate and that no deliberate or wilful omissions of

	nformation					
Detailed Descrif necessary)	iption of Proces	STNYL ACET Generating Was wil lift on	ite. ( A detai	•	nust be provided, attai	
Raw materials	used in process	):				
E. Regula	tory Inform	ation				
	EPA hazardous		( Yes	□ No	Comments	
or derived fr	EPA listed hazan om a listed souro B waste regulated	●? (F, K, U, P)	₫ Yee	□ No _		
PC8>50 ppi		source >60 ppm)	☐ Yee	ŽÎNo — □No —		
	generated from		☐ Yes	⊡/No		
	dn bearing waste	as per 40 CFR	☐ Yes	Mo _		
6) is this weste		dical waste?	☐ Yes	No —		
	explosive <i>r</i> Lute contain debri Lucia de percentage		☐ Yee	EN		
11) Does this W		Ilic fines/powders?	☐ Yes	11 No		
13) Does this W		unts or volatile organ		Mo _		
14) is this waste		specific constituents e NESHAP regulatio n		□ No		
	al Compositus and non-haz	ardous constituer	its. (Trade r	ames are not s	cceptable)	
	a			Minimum %	Average %	Maximum %
2	ACETATE					
3						
4						
6						
7					_	
Total (Must add						استون اللها الكوالا
	Character	istics Of Wat	Complex	Anathir	Physical State 70° F	Solvente/Olle/(Optional) Calus: Curses STU391,
CHICK!	0 40 60-10 10-12	Sim Om	<b>()</b>	Diversity	Displace missus Billion Bernisate Displace	1111111
HONE MILD STRONG	Manufacture   Hagh	□ 3147F	2014 2014 212.00 212.00	Organido Sufficie Explanativo Observantan tendo Armos	Shoper   Maddepar   Street Square   Maddepar	

	•
H. Heavy Metals  Generator knowledge	1. Toxicity Characteristic Organics
Total TEP Analysis D	M CN TWO THE STATE OF THE STATE
(in parts per million) Actual	The second secon
	(In parts per million) Actual D012 Endrin 27 < 0.02
D004 Arsenic Z < 5	D012 Endrin
D005 Barlum	D014 Methoxychlor
D006 Cadmium	D015 Toxephene 77 <0.5
0007 Chromism:	D0162,4D (7<10.0
D008 Lead	D017 Silvex (2, 4 6-TP)
0009 Mercury 77 <0.2	D018 Benzene 72 <0.5
2010 Setenium 171 < 1	D020 Chlordane 27 <0.03
2011 Silver 71 < 5	D021 Chlorobenzene 7 <100
Copper	D022 Chiorotorm 7 <6.0
Vickel	D023 O-Creed 2 200
Zinc	D024 M-Creed 77 <200
Other (s):	D025 P-Cresol   72 <00
Julei (3).	D027 1, 4 Dichlorobenzene 17 <7.5
	D028 1, 2 Dichloroethane 07 <0.5
I Other Components	D029 1, 1 Dichioroethylene 💆 <0.7
J. Other Components (parts per million)	D030 2, 4 Dinitrotoluene
cyanides, Total <u>N/O</u> Amenable Cyanide <u>N/O</u>	D031 Heptachlor
Sulfidee, Total Reactive Sulfide	D033 Hexachiorobutadiene 17 40.5
The second secon	D034 Hexachloroethane 2 4.0
	D035 Methyl Ethyl Ketone 💆 😂 00
mmonia PCB's, Total	D038 Nitrobenzene
IOC'S, Total VOC's, Total	D037 Pentachlorophenol Z <100
XSHA Cardinogena	DOSS Tetrachioroethylene 2 40.7
	D040 Trichloroethylene
Other Hazardous lingradients	D041 2, 4, 5 Trichlorophenol 2 <400
	D042 2, 4, 6 Trichlorophenol 2 < 0.0
	D043 Vinyl Chloride 72 <0.2
C. Land Disposal Restrictions	2) is weste a wastewater or
1) is waste suit pot to land ban?	non-westewater
H yes, complitie enclosed LDR form.	3) is waste a debrie? Yee Mo
P Restricted musto requires treatment	4) le waste a soil? Yes ENo
☐ Waste meets treatment standards	<ol> <li>Identify all waste subcategories and underlying hezerdous constituents (UHC);</li> </ol>
☐ Waste subject to variance. Effective until (date)	· · · · · · · · · · · · · · · · · · ·
Chinaina and Handling	
. Shipping and Handling	1
	ume (1) Other (1)
	7, Dump Trailer
3) Drum Container Type: Fibre ☐, Poly ☑, Closed Head 4) Frequency: One Time ☑, Weekly ☐, Monthly	
5) Volume pershipment: Drums 2	Ton/Yards
	Yes No D. Poison inhalation Hazard? Yes No D
7) DOT Shipping Name: (ad State array Acarret	Technical Contituents:
	okaging Group: 32 10) Hezerd Class: 2
11) EPA/State Hazardous Waste Number's: (D, K, F, U, P)_	
enerator Certification	•
	sing an EPA approved method and corresponds to the informatio
on this profile.	molek and som unte and that no deliberate essettle controlers.
t nereby certify that the above and sittached description is or compositions or properties exists, and that all known or sur	emplete and accurate and that no deliberate or wilful omissions ( speciac) hazarda hava been disclosed.
**************************************	
Keth Cenaret Title M	Heren's MGB Date 5/9/95

D. Waste Information				
Common Name of Waste	NCL			<b>T</b>
Detailed Description of Process Generating Waste		lled descriptio	n must be provided, atta	ch additional she
if necessary)			•	
mattered and AKC were my	1 Tayed	to com	be a clamp or	etterie tel
un never wel and material is a	4	of farling		
Raw materials used in process:				
E. Regulatory Information				
	Z You		Comments	
1) Is this a US EPA hezerdous waste?     2) Is this a US EPA listed hazerdous waste.	(Z) Yes	□ No		
or derived from a listed source? (F, K, U, P)	☐ Yes	r No		
3) is this a PCB waste regulated by TSCA? (is		1		
PCB>60 ppm or derived from source >50 ppm) 4) Is this a State Hazardous Waste?	☐ ¥ 00 ☐ ¥ 00	EŽNo □No		·
5) is this waste generated from a CERCLA	(g ) ==	шно		
cleanup action?	☐ Yee	12 No		
A) Is this a Dioidn bearing waste as per 40 UFR part 261.317		K.No		
7) is this waste infectious or medical waste?	☐ Yes	No		
8) le this waste radioactive?	Yee	No No		
9) Is this waste explosive? 10) Does this waste contain debris? (If yes,	Yes	Ø No		
please list type & percentage in section F)	☐ Yee	<b>⊠</b> No		
11) Does this waste contain metallic fines/powders?	☐ Yes	Ø No		
12) Does this waste confin asbestos?		<b>Z</b>		
(If yes, define type) Friable [], Non-Friable []  13) Does this waste contain solvents or volatile organic	☐ Yee	€ No		
compounds? (If yes, provide specific constituents)	Ym	□ No		
14) Is this waste subject to Benzene NESHAP regulation?	_	<del>-</del>		
(>10 ppm, benzene by weight)	☐ Yee	€ No		
F. Chemical Composition				
List all hazardous and non-hazardous constituents	. (Trade	names are no	( acceptable)	
		Minimum 🤊	6 Average %	Maximum %
1 METRANOL		9	•	95
		3	•	/3
2 Mar	<del></del>			
3				
4				
5				
0				
7				
Total (Must add up to 100%)			•	
G. Physical Characteristics Of Waste	9	,		Solvents/Olia/(Optional)
	Committee	- Burne.	Physical State 70° F	Catala Cantara STUlari
CEAT	940	OM 54		
	1.2.0 2.01-8	Undate		S Hotegare
D NONE D >14 D 170°F	9-4 9-12-40	O Charles	D 4 0. 4	
	£18.80	☐ Elephonites	☐ Stufte piles. ☐ Spries. ☐ Pyratides.	11.40
	of pH:	Convetes to	% Proofests 100	1 may —
POTHANOL MAIN AGE			Content (Tree Day	1 アー

2015950313 #11

SENT BY:

AD3BZZB

H, Heavy Metals	Based on: Generator knowledge	I. Toxicity Characte	ristic Organ	ics /
	Generator knowledge 🗹	Total TCLP BA	eed on: Generate	r knowledge 🗹
(In parts per million		_	Analysis parts, per million)	Actual
	·/ ^~	D012 Endrin	Z) <0.02	~CUE
7-		D013 Lindane	F) 40.4	
D005 Barium	-	D014 Methoxyohlor	171 <10.0	
D006 Cadmium 💆 < 1		D015 Toxephene	AD ≪O.S	
D007 Chromium (2) < 5		D016 2, 4 Ď	<b>△</b> <10.0	
D008 Lead		D017 Silvex (2, 4 5-TP)	<b>Æ</b> <1.0	
D009 Mercury 7 <0.2		D018 Benzene	12 40.5	
D010 Selenium		D019 Carbon Tetrachloride	40.5	
		D020 Chlordene D021 Chlorobenzene	171.≪0.03 171<100	
<i>F</i> -		DO22 Chloroform	£7 ≪6.0	
Copper		D023 O-Cresol	<b>1</b> 22 €00	
Nickel		D024 M-Greeol	<b>1</b> 200	
Zinc		D025 P-Creeol	<b>1</b> 0 <b>4</b> 00	
Other (s):		D026 Creeols	<b>7</b> 2) <200	
		D027 1, 4 Dichlorobenzene	<b>Z) &lt;7.5</b>	-
		D028 1, 2 Dichloroethane D029 1, 1 Dichloroethylene	<b>2</b> 2 € 0.6	
J. Other Components (pr	arts per million)	D030 2, 4 Dinitrotoluene	727 <0.7 127 <0.13	
	and Sunday N/b	D031 Heptschlor	72 <0.008	
Cyanides, Total Ula Armi	enable Cyanide	D032 Hexachlorobenzene	€ <0.13	
Sufficien, Total Rea	ctive Sulfide	D033 Hexachlorobutadiene	A =0.5	
1	bicides	D034 Hexachiproethane	<b>1</b>	
		D036 Methyl Ethyl Ketone	<b>12</b> 400	
	3's, Total	D036 Nitrobenzene	Z 4.0	
HOC'S, Total VOC	C's, Total /-2%	D037 Pentachiorophenol D038 Pyridine	[Z] <100 ∧[Z] <5.0	
OSHA Carcinogens		D039 Tetrachloroethylene	47 40.7	
		D040 Trichloroethylene	行40.5	
Other Hazardous Ingredients		D041 2, 4, 5 Trichlorophenol	17/<400	
Other Hazardous anglesseries		D042 2, 4, 6 Trichlorophenol	<b>a.</b> 0	
		D043 Vinyi Chloride	<b>Ø</b> ≪0.2	
K Jand Dinneral Bestrie	tions.	2) is waste a waster	under on	
K. Land Disposal Restric		non-way		
<ol> <li>is waste subject to land ban?</li> <li>if yes, complete enclosed LDR</li> </ol>	TYPE No	3) is waste a debris		lo
Restricted waste requires treat		4) is waste a soll?	□ Yes ZN	<b>lo</b>
☐ Waste meets treatment standar		5) Identify all waste		id underlying
☐ Waste subject to variance. Effe		hezendous constitue	ints (UHC):	
			<del></del>	
L. Shipping and Handling		•		
1) Shipping mode: Bulk Liquid		ms 🗗 Other 🗀		
	ruck . Tank Truck .		f□. Other	
3) Drum Container Type: Flbre				Stee St audle
4) Frequency: One Time 7.	Weeldy □, Monthly □			
5) Volume per shipment: Drym	77.	Ton/Yards		
6) DOT Hazardoue: Yes 🗹	No Marine Pollutare	Yes No M. Poison inhale	rtion Hazard? Y	es D No Z
7) DOT Shipping Name:	Contract Contract D.	3. Technical Contituents:		
8) DOT ID #: WANA # 22/47 Y			Hazard Class: _	43.7
11) EPA/State Hazardous Waste N	lumbers: (D, K, F, U, P)	Dear, Deep		
Generator Certification				
	nta atumpa men aktalas di is	ton on PRA singuistic demands of the	4	· • • • • • • • • • • • • • • • • • • •
A representative sample of the wa- on this profile.	etg etgerti mes odibinog us	ing an EPA approved method an	u comesponas to t	ne information
thereby certify that the above and	attached description is nor	noists and socurets and that an	dailbarets or will	d omissions of
compositions or properties exists.				- 411 hans of 10 60
Generator's Authorized Sign	neton <i>e</i>			
Buth angua	Title Me	teruls MCP	Data S	19/95

D. waste information				
Common Name of WasteALKANOL L				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Detailed Description of Process Generating Waste if necessary)	. ( A COTE	ilea description m	iust be provided, atta-	ch additional sheet
New material empelete Sus	1.	Lue.		
	V			
Raw materials used in process:		<del></del>	·	
THE THEOREM ON ON THE PROPERTY.				
E. Regulatory Information				
	-Kr.		Comments	
1) is this a US EPA hazardous waste? 2) is this a US EPA listed hazardous waste,	<b>₩</b>			
or derived from a fieled source? (F, K, U, P)	☐ Yes	No		·
3) Is this a PCB waste regulated by TSCA? (Is				
PCB>50 ppm or derived from source >50 ppm)	☐ Yes	⊠ No		
4) is this a State Hazardous Waste? 5) is this waste generated from a CERCLA	S.A.	□ No		
cleanup action?	☐ Yes	Ø No		
6) is this a Dioxin bearing waste as per 40 CFR	<u>_</u> ,			
part 261.31?	☐ Yes	Mo		
7) is this waste infectious or medical waste?	☐ Yee	☑No		
8) is this waste radioactive? 9) is this waste explosive?	☐ Yes	No _		
10) Does this waste contain debris? (If yes,	D 100	140		
please list type & percentage in section F)	☐ Yes	Ø No		
11) Does this waste contain metallic fines/powders?	□ Y**	<b>□</b> ₩0		
12) Does this waste contain asbestos?	□ Yes	E No		
(If yes, define type) Friable [] , Non-Friable [] 13) Does this waste contain solvents or volatile organic		E		
compounde? (If yes, provide specific constituents)	Yes	□ No		·
14) is this waste subject to Benzene NESHAP regulation?	, —			
(>10 ppm, benzene by weight)	☐ Yes	Ø No		
F. Chemical Composition				
List all hazardous and non-hazardous constituents	(Trade	Sames are not ec	centable)	
Pièt dit tier standa en a manuer a com en la manuer e	. (11000	Minimum %	Average %	Maximum %
			VARIATE X	
WATER	<del></del>	35		_ <u>%~</u>
MENGRAU WILL				
3 ZTORGAGNIL		45		60
A SOOZUM ENLONGE		0		
5 NS-A-		0		7
2	<del></del>			
7				_
Total (Must add up to 100%)				
G. Physical Characteristics Of Wast	<u> </u>	· · · · · · · · · · · · · · · · · · ·		Solvente/Oile/(Optional
CLEAR Sandis Cards	Committee BHO	Beachdy	Physical State 70" P	Calefu Contact STUTES
10 mg (8)mg (1mg	520	C yes Coffe	Dille Abrille Trice, To	% Halagaria
10 1612 1	2,01-5 5-0	Water receiping	Diffeld Disable	
2 70 F-100 F	P-12.49	Operate Dates	Clather Chather	
STRONG DISTRICT	≥1 <b>2.30</b>	Depleting	Carete Inter	
Overthe: Grant High Actuate Actual	elek P	DOPer		4 9400

		•		
H. Heavy Metals	Based on: Generator knowledge	1. Toxicity Characte	eristic Organ	ilcs
ZIotal TCLP	Analysie	☐ Total ☐ TCLP	lesed on: Generate Analysis	
(In parts per n	nillion) Actual	U	nayee (parts per million)	
D004 Arsenic T7<		D012 Endrin	7/<0.02	~~···
<b>7</b> .		D013 Lindane	Mad	<del></del>
D005 Barium		D014 Methoxychlor	€ <10.0	
D006 Cadmium   179 < 1		D015 Toxaphene	€0.5	
D007 Chromium (2) < 8	5	D016 2, 4 D	<10.0	
D006 Lead 4(2) < 6	<u> </u>	D017 Silvex (2, 4 5-TP)	<b>Z</b> ]<1.0	
D009 Mercury 27 <0.2		D018 Benzene D019 Carbon Tetrachioride	7Z <0.5 6Z <0.5	
D010 Selenium Z7< 1	<u> </u>	D020 Chlordene	Ø 40.03	
D011 Silver 77 < 5	j	D021 Chlorobenzene	₹Z\<100	
Copper		D022 Chloroform	<b>₹ 45.</b> 0	
Nickel		D023 O-Creeol	Ø<200	<del></del>
Zinc		D024 M-Gresol D025 P-Gresol	Ø <200	
Other (s):		D025 Creacia	77 ≪00	
Caler (e).		D027 1, 4 Dichlorobenzene	13-43.S	
		D028 1, 2 Dichloroethans	Ø ⊲0.6	
1 Other Components		D029 1, 1 Dichloroethylene	₹Д <0:7	
J. Other Components		D030 2, 4 Dinitrotoluene	<b>Ø €0.13</b>	
Cyanides, Total	Amenable Cyanide	D031 Heptachior D032 Hexachiorobenzene	777 ≪0.006 471 ≪0.13	
Sulfidee, Total	Reactive Sulfide	D083 Hexachiorobutadiene	77. <b>40.</b> 5	
Pesticides	Herbicides	D034 Hexaphoroethene	Ø 3.0	
. Aut. b .		D035 Methyl Ethyl Ketone	<b>5</b> 400	
Artifionia	VOC's, Total 1-2-10	D036 Nitrobenzene	<b>D</b> 40	
HOC'S, Total	VOC's, Total 1-2-70	D037 Pentachlorophenol D038 Pyridine	'2) <100 17] ≪5.0	
OBHA Caroinogens		D039 Tetrachioroethylene	D 40.7	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		D040 Trichloroethylens	72 <0.5	
Other Hazardous Ingredients		D041 2, 4, 5 Trichlorophenal		
		D042 2, 4, 6 Trichlorophenol		<del></del>
مر ه <u>و در چه</u> ر		D043 Vinyl Chloride	12 ≪2	
K. Land Disposal Res  1) is waste subject to land be A yes, complete enclosed	In? ☑Yee ☐ No LDR form.	2) is waste a waste non-we 3) is waste a debri	etewater 2	to .
	nnderde	<li>5) Identity all wast hazardous constitu</li>	e auboetegories ar	nd underlying
☐ Weste subject to variance.	. Effective until (datu)	14221003 WHOL	——————————————————————————————————————	
I Chinaine and Hand				
L. Shipping and Hand		<b>d</b>		
1) Shipping mode: Bulk Li 2) Bulk Container Type: V		me 🗹 Other 🖂 Sett 6	<b>*</b> • • • • • • • • • • • • • • • • • • •	
	ac Truck [], Tank Truck [] brg [], Poly [], Closed Head	, Dump Trailer . Roll C	Off Other _	She Sta A
4) Frequency: One Time §	Z, Weekly □, Monthly □			Stre 55 pm
- · · · · · · · · · - · · · · · · · · ·	Drums & . Gallone	Ton/Yeds		
6) DOT Hazardous: Yes [7]		Yes No M. Polson Inha	lation Hazard? Y	OR TI NO.
7) DOT Shipping Name: (and)	TO PLANTAGE AND A	-ST GHIER COMMUNICAL		
8) DOT ID #:CUBINA 2993			0) Hazard Class: _	3
11) EPA/State Hazardoue Wa	ste Numbers: (D. K, F, U, P)	Bos/		
Generator Certification	1			
	10 waste stream was obtained up	ing an EPA approved mathod a	nd commenceds to	the information
on this profile. I hereby certify that the above	and attached description is cor	mplete and accurate and that no	o deliberate of willh	
compositions or properties e	xiels, and that all known or sust	pected hezards have been clea	iosed.	

Title Maderials MGR

877490210

Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440 Fnone (±15) 822-2676 Fax (215) 997-1315 Phone (215) 822-2676.

ERATOR: NAM TECHNOLOGIES INC

MAIN ST

NJ 07644

NJD 0013/5282 EPA ID NO.:

MANIFEST NO.: PAE 1355 734 -A

DRUM NO.: \_\_/\_\_ CONTAINER: \_\_/7 H\_

DISPOSAL CODE: ECC LAB CODE: LP 518

D.O.T. PROPER

THE PROPERTY OF THE PROPERTY O

SHIPPING NAME: PG WASTE FLAMMABLE LIGHTS

HAZARD CLASS: \_\_3 PG I

E.P.A. WASTE DOO! UCCZ UCSC TYPE CODE: Usu Use (UNIX UNNA: 1993

PAGE \_\_\_\_\_\_ OF \_\_\_\_\_\_ DATE \_\_\_\_\_\_ 5-12-9

QUANTITY	DESCRIPTIO	ON OF MATERIAL	
3y / GAL	METHIC ALCOHOL	UISY	
3 x / GAL	ISOPROPYL ALCOHOL		
3 x 1 GAL	7 - FROFANOL		
1 . 1 GA;	1 - PROFANOL		1
3 x / GT.	SU PROFANOL		
1 x 500ml	n. flofanos.		
1.1 GAL	ISOBUTYL ALCOHOL	UNO	
1x/ GAL	METHYL E-HALL KETONE	U159	
-7 × 1 cm	ALETONE	UvoZ	
5 × / GAL	METHANOL		
( + 1 PT.	CICLUMEXANE	UU56	
24 / PT.	BENZYL PICONOL		
· Ix IPT	Z- SUTANONE		
1 4 8 07.	GUNIACUL		
1 , 1pt.	ETHINE ACETATE	Unz	
1 x 1PT.	1-BUTTE ALCOHOL		
/ x / PT.	BUTL ALCOHOL		
			· · · · · · · · · · · · · · · · · · ·
<u> </u>		TOTAL WEIGHT:	173#)
			1 / - /
	~		877490211

2337 North Penn Rd. Haffield, PA 19440	DISPOSAL CODE: ECCLAB CODE: & PS184
Phone (215) 822-2676  Fax (215) 997-1315  ERATOR: 1992 Technologies	D.O.T. PROPER SHIPPING NAME: RO Waste Flammable Line de.
Lad , NT 07644	HAZARD CLASS: 3  EP.A. WASTE  (23, 003, 0019, 0230, 0112, 0056
AID NO.: MJ 1) 00/3/5282  NIFEST NO.: AAE 1355734-13	TYPE CODE: Pool, U0:7, ONNA: 1993 ,3 GL
.UM NO.: 2 CONTAINER: 174	PAGE OF DATE
QUANTITY DESCRI	PTION OF MATERIAL
x kgal Acatemetrile sur 1) u	1003 2001
1991 Brane 10019	·
19t Tolvene 11 UZZO	
Y 1991 Filhul Acetale U112	
?x   721 Hexare 11	
1 / /anl N- Hestame 11	
100 Mobil shase for Haraban	(Melhanol & water) =003
10+ Cidohexanore	V057
1st Xulene UZ39	
No series	
	·
	•
)	
<u>"</u>	
·	•

TOTAL WEIGHT: /33#

The state of the s

Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440 Phone (215) 822-2676 Fax (215) 997-1315

TECHNOLOGIES LATOR:

MAIN ST

07644

NJD 001 3/5282 EPA ID NO.:

MANIFEST NO .: \_

\_ CONTAINER: . DRUM NO.: \_

DISPOSAL CODE: WC-V LAB CODE: LP 5/5

D.O.T. PROPER

SHIPPING NAME: LO WASTE CORPOSIVE SOLIDS

E.P.A. WASTE DOC 5, DO 11

TYPE CODE: Dec. 7

DATE \_ 5-12-95

ON/NA: \_/759

P.G. II

QUANTITY	DESCRIPTION OF MATERIAL	· · · · · · · · · · · · · · · · · · ·
1 × 5009	BORIC ACID GRANULAR	
1,5009	DISODIUM ETHYLENEDIAMINE TETRA-ALETATE	·
2.5000	CUPPIC CHLURIDE DIHTORATE CRYSTAL	
14/8	CUPPIC SULFATE ANHYDROUS	
1. 5009	BARIUM CHICKIDE POWDER	5005
1 × / *	CERIC SULFATE MHYDROUS	
1, 1009	TOANS - CINNAMIC ACIB	
1x 14 V	CITAIC ACID ANHYDROUS	
1 x 1009	DISODIUM ETHYLENE DIAMING TETRAACETATE	
1 1009	CERIC SULFATE	
1 4 02.	COBALT ACETATE	
2 + 1=	CALCIUM SULFATE	
1 x /=	BISMUTH POWDER	
1 . 1009	3- CHEOROACETONILIDE	
1 - 2=0	STEARIC ACID N.F. POWDER	
1x 402.	COPALT CHLORIDE	
1 x / #	AMMONIUM SULFATE	
1 x 500g	CALCIUM CHIORIDE DIHIDRATE	
1 x 5009	BARIUM CHECRIOS DIVIDATE	
1,5009	AMMONIUM PHOSPHATE	
1.14	AMMONIUM ACETATE	
1.309	BENZOIC ACID	
1 x 1/4 #	ACID STARCH INDICATOR POWDER	
1 4 14	KULFOSALICYLIC ACID	
1 1 1 =	POTISSIUM PRIOSPILATE	
Zy 5009	PUTASSIUM BISULFATE	
~ + 1+ V	POTASSIUM CHOOFIDE	
(,, 12	POTASSIUM ACETATE	
1 - 1009	PALMITIC ACID	
( , 14#4	SULFORME ACID TOTAL WEIGHT:	(200*)
	· · ·	
		877490213

Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440

Phone (215) 822-2676 Fax (215) 997-1315 RATOR: NAPP TECHNOLOGIES

MAIN ST

07644

NJO 001 315 282 ID NO.:

IIFEST NO.:

3 IM NO · CONTAINER: \_ DISPOSAL CODE: LOC-V LAB CODE: 195184

SHIPPING NAME: PU WASTE COPPOSIVE SOLIDS N.O.S.

3005,0011 E.P.A. WASTE

TYPE CODE: Dex 7

DATE 5-17-95

UANTITY	DESCRIPTION OF MATERIAL
1 4 / 4	TAYING ( CONTAINS POTASSIUM CHECOPIDE > 50% STANNOUS CHINAIDE & 162)
× 5009	ERSTAILN KOME P-PHENOLSULTONIC AC.D
ly y#	FASTAMAN KUDAX POTASSIUM BROWNIE
1 1 11	SOUN SULLATE
1 2.2 4	POTASSIUM PHOSPHARE
x 5009	POTASSIUM B. PHT. MINTE
y /=	POTASSIUM BROWLDE
. 5009	KODAY PUTASSIUM lubide
1802	ZINC SULFATE
\$ 807	SODIUM FLUUPIDE
, 4 OF.	STANNOUS CHIOFIDE
v 5.#	ANNON-UM CHECKIDE
5009	FERRIC CHICRIDE
. 5009	MAGNESIUM CHOFIDE
, 5009	SUDIUM ACCITATE
· 4209	STANNOUS CHELFIDE
. 1009	TOTALAUTSI AMMONIUM IUDINI
. / 8	SODIUM BRUNIDE
* 56.09	SOSIUM CITRATE DIHI-SPATE CRYSTAL
> / <del>&lt;</del>	TAMES - ( TONTAINS SUIFAMIC ACID & 90%)
x /=	BARIUM SULTATE
, 500 g	CALCIUM CHLORIDE
~ 5 ± v	SUDJUM PHOSPHATE DIRASE ANTIDADUS
× 5 €	AMMUNIUM CHIORIDE
<u>√ 5±</u>	SUDIUM SULFATE ANHYDROUS
y / KG	SULFAMIC ACID
× 4 A.	TANNIC ACID
¥ / #	STANNOUS CHIORICE POWDA
x /#	ACACIA FOUNDIA
x 1/7 #	BENZYL PARABEN TOTAL WEIGHT: (200#)

Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440 Phone (215) 822-2676 Fax (215) 997-1315

TECHNOLOGIES

07644

NJD:0013/528Z

PAE 1355734-3-4 MANIFEST NO .: .

17H CONTAINER: \_ DRUM NO .: .

DISPOSAL CODE: WCV LAB CODE: 195/84

D.O.T. PROPER

SHIPPING NAME: PO WAS-E PERFOSINE SULLOS

HAZARD CLASS: \_

E.P.A. WASTE

D0051 D011 (UN)NA: TYPE CODE: \_

PAGE 3 OF 4 DATE 5-12-95

QUANTITY	DESCRIPTION OF MATERIAL	
1x/=	DISODIUM SALT	
/ x /#	AMMONIUM CITANTE	
1 x 1E	MAGNESIUM SULFATE	
1 + 1/2=	PROPIL PARCEIN	
2,12	P. HTDROXY BENJUIC ACID	
1. 2 1 "	ETHTIENE DINITION TETRANCETIC PED	
11 8 18	AMBERUTE (EXCHANGE RESIN)	
1.74	SODIUM SALICYLATE	
1 x 12	AMMONIUM BILLUDRIDE	
x /4	AMINO ACETIC ACID	
, x 1#	GALLIC ACID	
1 x /=	MAGNESIUM CHOORIDE	
1 x 15	ALUMINUM CHLORIDE	
/ x /*	SUSIUM BORATE	
/x/*	SULFOSALICYLIC ACID	
/x/#	POTASSIUM PROSPHATE	
2 x /*	POTASSIUM JUDIDE	
/ x /#	POTASSIUM BROMIDE	
1.14	PUTASSIUM SULLATE	
1 x /#	SOSIUM CHLURIDE .	
1 × 14	SODIUM PHOSIHATE	
1 × 1 ×	HYDROXYLAMINE HYDROCHIORIDE	
1 × 1=	FERROUS AMMONIUM SULFATE	
1 1009	NITRILOTPIACETIC ACIO	
1 = 1009	ASCURBIC ACID	
14 1#	ZINC OXIDE	
1,1009	PAMOIC ACID	
7×25 g	5. HYDROAYISOFHTHALIC ACID	
1 x 75 4	PYRENE	
1 × 754	ETHE PAPEREN TOTAL WEIGHT:	(200#)
1, 1, 3, 7		1-5-
		877490215

Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440

Phone (215) 822-2676 Fax (215) 997-1315 RATOR: NAPP TECHNOLOGIES

199 MAIN ST 07644 NJ

NJS 001 315 252 ID NO.:

PAC 1355734-3.5 IFEST NO.:

CONTAINER: 17H M NO.: \_

DISPOSAL CODE: WCV LAB CODE: UT 5/84

D.O.T. PROPER

SHIPPING NAME: ROWASTE COFFUSIVE SOLIDS NOS.

P.G # HAZARD CLASS:

TOTAL WEIGHT:

DOES, 0011 E.P.A. WASTE

2007 TYPE CODE: . UN/MA:

PAGE \_\_\_

UANTITY	DESCRIPTION OF MATERIAL
BAE	MISC. ORGANIC DYES FOUNTAINS METHY VIDIET CRYSTAL VICLET METHYLENE
( < 259)	RIUT ESPUCAUME BUSCE NAPTHU BLUE)
CRAG	SANC AS AGOVE (13 , 2759)
· 25 gm	BUTH MERREN
× 75	METHIC PARISON
1. 759	LATINUM CHICKIDE
1 . 1 #	METHYCENE BOUE
. 2 < 4	BENTOIC ACID
· 25.4	8- HYDRUSY QUINULINE BASE
\$ 250	SACIETUR ACID
8 1009	SUDJUM DICTIVE DITTE OF PARSHERT
` < 25 q	1- OCTANE SULFONIE ACD
r. pol	C. Mono-Folic ACB
1 . 25 4	11- 11- DOOR 150 FUTURE C NO B
1 + 10 3	PAINTIC PCD
. 254	PIFITATINE CITABLE
. 759	METHY GAMETHUR STNOWSE
2, 259.	PUTASSIUM ZZUMIDE
1.10	Prost-otunestic ACID
1 , 28 9	MOPULY BENEAMINE
1. 759	PENNIE PER PORCE ALMERTE
1: 10:	Z. CHILRO Z C. ACCTUS NECTORE
1/2 /4	SODIUM CILORIDE
/ x /=	CHONIC DXIDE DOUT
1 / 1#	Silver sulfate
1	

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440 Phone (215) 822-2676

Phone (215) 822-2676

Fax (215) 997-1315

ATOR: Nan feelinolog. -5

199 Main Street

Ladi, NJ OTEYY

EPA ID NO .: NTO 00/3/57 82

MANIFEST NO.: PAE 1355734-3-4

DRUM NO.: 4 CONTAINER: 17-4

DISPOSAL CODE: WCV LAB CODE: LP5/E

D.O.T. PROPER

SHIPPING NAME: Klaste Corrosive Solds.

HAZARD CLASS: \_\_\_\_\_

EPA. WASTE DOUDOF

TYPE CODE: 2005, WINNA: 1759 PG

PAGE \_\_\_\_\_ OF \_\_\_\_ DATE \_5/12/95

QUANTITY	DESCRIPTION OF MATERIAL		
1#	Dovoidas Metal Sono Cu	1# Faccous sulfate	
1/4 14	Alomora /Zac Allas	14 Ferre Amin . m 5	
402	chlor and	5# Amnonin Formal-	
1/4#	Distraylanine	5# 5112 5-1 11	
402		I# Ammonima oxalal	
482	a more and	54 Calechol	
1/1#	Dinastell amos benzaldolinde	ir Laurella	
402	Dth. zone	1 Foreus ann nive	
·/ /±	Born Hydre & 5 hodel	e som 14 Lactore	
14	Colemn Hidrarda	1+ Alcoholos 1111	
11+	45. d.chim. Flores	1/4 Methoxy Dropy Glu.	
1, 11	1,8 d. hadray anthrowne	1#Trinethapera Missa;	
2×12	Annonin . Historianale	1th Sodium Thiosulfale	
1#	Sodius C. brate	1 5 Sod n Tartisla	
5 × 1#	Sad un Brarborale	14 Oitment of sond out	
<u> </u>	Sodium N. Instarracion de:	JE Brutophenine 11	
	ZINZ AWAIOGHA	15 Potassin intele	
<u> </u>		15 thoacoal wet	
	Fine granular	1/24 yellow dye 1111	
5 <sup>#</sup>	Sod in Midrorite	1/2 5 Solvenishosphole	
<u>/4 *</u>	Nashthol	" 15th Hydroxy amolie Pont	
	Ammonium Carbonete	14+ Malachile Green on	
802 14	Potassium thiocyanate	14 W trun	
1 #	11 Ferrocyonide 11	1# Crystala minder	
1#	11 Carbonate	14th Ammonime Suffamale	
1/4#	o-nitro anilina	&HTributy/ Ammonium Sufation	
1 YY#	Quinone	14th Sod on carbonate	
309	Metley orange	14th Diffusore	
254	Kolak-1-Reyent	TOTAL WEIGHT: 200#	
5-11	Chercoal	1#slarch	
1/4#	Nashthalleacen	1# Chroma on the yellow	
		بالمبرسية ومني فيند في المحاجب والمسرس بيان أن المسرو في المساور والمساور والمساور والمساور والمساور	

#### REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676

	ATOR:	Pack Division  forth Penn Rd.  161, PA 19440  215) 822-2876  15) 897-1315  19 Man St.  20		D.O.T. PROPER SHIPPING NAME:  HAZARD CLASS:  E P.A. WASTE DO 11, D	LAB CODE: <u>LPS/88</u> Weste Copposite Sold  William 1759 PG II  DATE 5/12/95	0.5
	UANTITY		DESCRIP	TION OF MATERIAL		
,	112	rable salt				
,	115					
•	برر است	Sand 11				
	1 1/4	Sadin Whosphale				
-	14				<del> </del>	
-	1/x #	Calbaxy Nothing	1 cellulos	e Guna		
	1/2/#	Disodien Poni	,			
-	1/4 #		shite in	waler		
	25.	Claylon yellow	<i>)</i>			
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-				TOTAL WEIGH	T: 200#	
				TOTAL HEIGH		
					– 877490218 <i>–</i>	<del>-</del>
					فيهل المستحدة	

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

GE RATOR: Naso Tochnologies

L.d., NJ .07644

marks bearing the second secon

EPAID NO .: NJD 60/3/5782

MANIFEST NO.: PAE 135-72 V-2-3

DRUM NO.: 5 CONTAINER: 300 +.

D.O.T. PROPER RO,

SHIPPING NAME: Waste Oxideing Substance

HAZARD CLASS: \_\_\_\_\_\_

E.P.A. WASTE 207, DOOZ

TYPE CODE: 1001, 0011 (IN)NA: 1479 20

QUANTITY	DESCRIPTION OF MATERIAL	
1th	Sodium Nitrole	
24 1#	Sodin Nitrite 118	
11	75 33.000	
1*	5-dem Dichronale 2007	
<u> </u>		
1414	Colialt N. +1ale	
115	Cupra N.frat-	
1/=	Core Amnorma Ntrata	
11+		
1 x 1#	7 (7-10) (7.1-1-1)	
To W	·Busser	\
2× 1/4#		
4x 1#	(1) (1)	
<i>[]</i> X	" " Live Live")	
HO1		
1 1 1 1 1	11 Persulfale	-
	Potassim dichrimate	
202	Lanthanun N.trate	
1/y#	V chel Wight	
1//#	Potassin Pormangara	
2x 1/4#	Posessing dirayand of	<u>·</u>
<u>                                      </u>	Sodine Christa	<del></del>
	Potassin chimale	
2× 1 <sup>12</sup>	Potassium Bromate 11	
•	Potassina Meta periodate	
Mit	Per od u acid	
( )   // / / / / / / / / / / / / / / / /	Tetra eth yl ammonum perch licate	
1/4*	Silver nitrate	_(
2× 1/4#	Lead 1 trate 11 0008	-
- Y4#	Bismuth Subnitrate TOTAL WEIGHT: 50#	
74	1 tass.m Dichingte 877490219	

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division

Hatfi	North Penn Rd. ield, PA 19440	DISPOSAL CODE: LP5/84 LAB CODE: LP5/84
RATOR: M	9 1215) 822-2676 215) 887-1315 19 1215) 887-1315	SHIPPING NAME: Waste and Act, wet will
	99 Mais sl.	not less than 1090 water
	Lod: NJ 17644	HAZARD CLASS: 4.1
ID NO.:	N20 .001312585	E.P.A. WASTE TYPE CODE: UNINA 1344 PC
IJFEST NO.: _	PAE 1250734-2-7	TYPE CODE: UNINA 1544
ли NO.:	CONTAINER: 30df.	PAGE OF DATE _5/12/95
QUANTITY	DESC	CRIPTION OF MATERIAL
5991	190 Picric Acid Sa	olution
•		
41000		
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		TOTAL WEIGHT: 40 #
		877490220

#### REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

The state of the s

Lab Pack Division 2337 North Penn Rd.

Hatfield, PA 19440 Phone (215) 822-2676 Fax (215) 997-1315	e dan est est els els suit et tre eu la cuert d'élèce	DISPOSAL CODE: <u>3</u> 2	ILAB CODE: 📿 🖰	5180
G. RATOR: NAPP TECHNOLOGIC	es INC.	D.O.T. PROPER SHIPPING NAME: WA	15-0 PERCHURIC A	1001
199 MAIN ST	······································	HAZARD CLASS:	I FO T	
LODI NJ 076		*	•	
EPA ID NO.: NJO 60/3/528  MANIFEST NO.: PAE /355734	1-2-4	TYPE CODE: Door D	0002 (N/MA: /87	3
DRUM NO.: 10 CONTAINER: 5		PAGE/ OF	/ DATE _ 5- /2	-95
QUANTITY	DESCR	PTION OF MATERIAL		
4. I M. PERCULURIC A	les			
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TOTAL WEIGHT:

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

2337   Hatfid	Pack Division North Penn Rd. eld, PA 19440 (215) 822-2678	DISPOSAL CODE: /ACM (N) LAB CODE: LPS/84
CATOR:	19,3,3 Technologes Inc.	D.O.T. PROPER SHIPPING NAME: Wester to serve 50/ 35 21 3
<del></del>	199 Main St. Lodi, NJ 67644	HAZARD CLASS: 6./
	JTD:00/3/5282 PA= 1355734-2-9	TYPE CODE: POYP UNINA: ZEII POIT
	CONTAINER: 5/29.	PAGE/ OF DATE
YTITMAUÇ	DESCRIP	TION OF MATERIAL
1 14	10- N +10-9111 - 809	wel
1/4#	2.4-Divitional 80	
? ~ 254	P- V-trotolvena 8090	
259	4. Ntro brizzane Sulfin	ramide 8030 wat
759	3.5- Diritro salacyli	Acid
259	·5- Nitro Furfural des	
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<b>\</b> -		
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_		TOTAL WEIGHT: 3#

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd.

	eld, PA 19440 (215) 822-2676	DISPOSAL CODE: Ecc	_ LAB CODE: حرن حراح
Fax (2	15) 997-1315	D.O.T. PROPER SHIPPING NAME: //a z = 4	
G RATOR: ₩	ass Technologies ac.	SHIPPING NAME: _//32=	nue Weste Lyuc
	99 Nen 5/.	HAZARD CLASS: 9	
	10.001312585	TYPE CODE: U2/19 VILLE	S =
EPA ID NO.: Z	PA= 1355734-3.6	TYPE CODE: <u>Užíjá vítě</u>	UN(NA) 30 29 PS
	CONTAINER: 30 DF	PAGEOF	_ DATE _5/12/95
QUANTITY	I	DESCRIPTION OF MATERIAL	
19-1	Methylene chlorite	U3 80	
2× /901	111	11	·
19.31	Carbon Tatraching	1. 0211	
1/2001	chloroform	0044	
1/2901	Trichly allivlane	0 Z Z S	
2 × /2941	Telrachlas allulene	UZ10 11	
	#		
2×10+	Formaldohyde ,	1122	
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		TOTAL WEIGHT:	50#
	7.		877490223

PG. II

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440 Phone (215) 822-2876 Fax (215) 997-1315

RATOR: NAPI TECHNOLOGIES INC

199 MAIN ST

1177 001215257

IIFEST NO.: PAF 1355 734-3-7

M NO.: 1/2 CONTAINER: 30 GAL OF

DISPOSAL CODE: INCININ LAB CODE: LP5184

D.O.T. PROPER 20

SHIPPING NAME: WASTE POISONOUS SOLIOS NUS

HAZARD CLASS: 6./

E.P.A. WASTE DAY DUIL UZIS
TYPE CODE: UIH UNIMA: 28/

(UANTITY	DESCRIPT	ION OF MATERIAL
× 1 #	BETANAFITHOL	IXI I FAD ACETATE DOCE UITH
: 159	O-AMINOPHENUL	IN 1005 SULPHADIAZINE
759	FIUDRESCEIN	INICOG NITENIPINE
x 10 g	FLUURESCEIN	1x100g FLUORESCEIN
<u> </u>	1.3 · NAPHTHIALTNEDIUL	Ixlung SILVER SULFADIAZINE
<u> </u>	POTASSIUM HEXACILLEROPLATINATE	1x759 SODIUM FERROCTANIDE
x 109	SILVED DIETHIL DIETHOLABAMATE L	2011 27759 REINECES SALT - 1 - HYDRATE
7 = 1 = 4	PIENOL 1188	11/09 DISODIUM INDSINATE
, JE	PANINOPHENOL	1x759 345-7RIMETHOXYANIUNE
1"	MOLECULAR SIEVES	1x759 ACRIFICANT NEUTRAL
× 14	SUL CHAME PAZINE	1.25 g 1-14-CHILOFOBENZINDRYL) PIPERAZING
/ . / <del>=</del>	METHYL BENZUATE	15759 4 DIMETURI AMINOFILLAMAL DEHYE
x 1/2 4	TRIMETHAPPIM USP MICRONIZ	<u> </u>
<u>× 1/5 #</u>	THIUNCETAMIDE 1218	1,59 WIFFNILAMIDE
V Const	SULFANILAM, DE	7.109 NINHADRIN MUNUMIABRATE
1 x 100g.	1-NITRUSO-7-NAPATION	1.59 ACENAPHTHENE
+ 100g	PHENTL SALICYLATE	2x5# (< 5 g By- TIES OF SILVER
1009	SOSIUM OXACATE	BAGS ) SULFADIAZINE SULFANILAMIDE
v 100g	PUTASSIUM XANTHOGENATE	FLUERESCEN ELUCUNUL,
x /#	THIOUREA UZIA	TPIMET FULFIN 1 DOIANG
+ 100g	N-1- AMPINTHYLLT WEEKE DIAMINE DINO	
× 2009	4- ISUROFYL PHENOL	AND STANDARDS
259	STRINGAL DEHTOE	
2 x 5 g	ADIPIC ACID	
× 1009	SILVER SULFADIAZINE	·
× 25 g	4- AMINO ANTI PYPINE	
1009	SODIUM NITHUFFUSSIDE	
x 100g	TODOCHECR HYDROXY WUIN	
x 1009	TRIBROMOPHENOL	
x 100g	SUDIUM & DETATE	TOTAL WEIGHT: (150#)
> 100a	p- TOLUIDINE	

### REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division

Hat	7 North Penn Hd. Hield, PA 19440 e (215) 922-2676 (215) 997-1315		DISPOSAL	CODE: ///	(A) LAB COI	E: 205 84
G. RATOR: 4	NAPP TECHNOLOGIES INC		D.O.T. PRO SHIPPING	OPER NAME: <u>P</u> Ω ι	Jasop Arsen	or Thurse S
_	199 MAIN ST. LODI NJ 07644		HAZARD	CLASS:	۴۵	Z <sup>r</sup>
_	NJD 001 315 25 2			_		
EPA ID NO.: MANIFEST NO :	PAE 1355734-2-8		TYPE COL	)E:	(IN/NA: _	7.361
	CONTAINER: 5/29.1		PAGE	OF	DATE .	5-17-95
QUANTITY	T	DESCRIP	TION OF MA	TERIAL		
/x / "	ARSENIC TRIUNIDE					
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			<del></del>	TOTAL WEIGH	IT: ( #)	
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### REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd.

والرومة المتاكية والإنجاج والمتاكمة فيتاكم والمراجع والمتاكم والمتاكم والمتاكم والمتاكم والمتلاهد

	ERATOR: A ID NO.: ANIFEST NO.:	North Penn Rd. eld, PA 19440 (215) 822-2676 (215) 997-1315  / 20 / Main St. at L  / Cod., NJ '07604  / D' MO1315752  / CONTAINER: 5 Da. 1	DISPOSAL CODE:	LLiquids Corres
	QUANTITY		DESCRIPTION OF MATERIAL	
	1pt	Buron Tr. floor. Je	(Melberst Solution)	
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		2.56		
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			manar umaa — / U	
			TOTAL WEIGHT: /#	877490226

#### REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440

DISPOSAL CODE: INCIN (A) LAB CODE: 1P5184 Phone (215) 822-2676 Fax (215) 997-1315 D.O.T. PROPER ATOR: NAPP SHIPPING NAME: WASTE FLANMABLE SOLIDS TERMONDEURS INC HAZARD CLASS: 4// PG. II 07640 E.P.A. WASTE NJD001315282 EPA ID NO.: DOID WN/NA: 1325 TYPE CODE: \_ PAE 1355734-2-6 MANIFEST NO .: . DRUM NO.: 15 \_CONTAINER: \_5)a. / PAGE \_\_\_ / OF \_\_ / DATE \_\_ 5-17-95 DESCRIPTION OF MATERIAL **QUANTITY** TIN PUWDER 2 y /= ZINC GRANULAR ALIUY METAL ZIAC METAL TIN GRANULAR SCIENIUM 18 1/2 SFIENIUM **TOTAL WEIGHT:** 

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440 Phone (215) 822-2676

Phone (216) 822-2678

Fax (215) 997-1315

RATOR: Na.D Felinologies / Ac.

199 Main St.

Lod , NJ 57644

ID NO.: 1410 6013/5282

IIFEST NO.: PAT 1355734-3-2

IM NO.: 16 CONTAINER: 3011.

Comment of the supplier of the

DISPOSAL CODE: PRA	LAB CODE:	P5/84
D.O.T. PROPER SHIPPING NAME: Wisle	Carras	L. 20. 15
HAZARD CLASS:		' μ-ɔ 'S
E.P.A. WASTE TYPE CODE:	UNA: 1760	POII
,	<u></u> ا	,

PAGE \_\_\_\_\_ OF \_\_\_\_ DATE \_5/12/95

TOTAL WEIGHT: 7/#

QUANTITY	DESCRIPTION OF MATERIAL
1× 1-5ml	Standards w/ Hidrochlaric och
× 194	1 Hydrochlaric and 11
let	your sld. with Midrichlance
191	Borne acid buffer soln.
19	Cobalt Chirde
19.	- lodine, itch sola.
197	- Phosphale buff-& soln.
19-	Potassauchte le
191	ladine Selni
19+	physphore ac 111
10	
	Sud un thosulfate
462	Potois in Bromide
·/ o	
1 / 10+	
1 1 197	Standard Solution W/ HCL
2 x 1 pt	NITRIC ACID ( < 5% CONCEN.)
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## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd.

Phone	eld, PA 19440 (215) 822-2676 215) 997-1315	and the grown of	DISPOSAL CODE:	AMINE LAB	CODE: <u>[   5 /</u>
	JAPP TECHNOLOGIES INC	•	D.O.T. PROPER SHIPPING NAME: $\omega$	Inste FLAMMASI	chicups Con
	199 MAIN ST LODI NJ 07644		HAZARD CLASS:	3 PG.	I
	NJD 00131578Z		E.P.A. WASTE	1	-6.1
EPA ID NO.: MANIFEST NO.: _	PAE 1355734 -D		TYPE CODE:	CC Z (IN)	: <u>2924</u>
	CONTAINER: 5,3a.1		PAGEO	F DA'	re <u>5-17-9</u>
QUANTITY		DESCRIP	TION OF MATERIAL		
/x / PT.	TRICTITIEMINE				
1 x 1 pt.	TRIET PANOI AMINE			•	
2 x 4 vz	DIETHYCAMINE		•	·	
e/ . / P1.	FTITICNE DIAMINE				
-					
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		······································		- 74 - 7	
		······································			7
		·····	TOTAL W	VEIGHT: 7	# )
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REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.		877490230
Lab Pack Division 2337 North Penn Rd. Hatfield, PA 1944D Phone (215) 822-2676 Fax (215) 997-1315  ATOR: Napa Technologies / Mc.  199 Mg. a Sl.  Lodi, NJ 07644  ID NO.: NJD 001315282  IJFEST NO.: PA-E 1355734-2-1  JM NO.: S CONTAINER: 171-1	DISPOSAL CODE: FCB  D.O.T. PROPER RG. SHIPPING NAME: WS: IT  HAZARD CLASS:  E.P.A. WASTE 1203 D022, U  TYPE CODE: D001, III	Flammable Light
QUANTITY DESCRIP	TION OF MATERIAL	
X led Water Aceton Ir le	· Trolly/Am	re 1111 s/-1=7
Idial Acetron true /water		<u> </u>
1201 Phony 1 ther		
Igal N. V. D methyl Former	n.de	
x lat Karl Lisher Roagent	without pyridine	[111
13+ Methanol Vicil		
3x 1st Chteroforn / methans	11 1055	18603
15+ Methanol II		
19T V score of the backs (5)	<del>'()</del>	····
Bat Presidence 1196	X	
Int Pyridia / He come		
Tat Silver		
Pot Duso		
1st Anlee oil / Mexane		
102 NO-013/+ thuls. /2	1) scatom the	·····
'x 1st Methand chlorolom,	Ann-n= 1111	<u></u>
2x13+ Flluent solution (10)	(0)303(:)	
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<i>J</i> ————————————————————————————————————		· · · · · · · · · · · · · · · · · · ·
	TOTAL WEIGHT:	84#

Lab Pack Division 2337 North Penn Rd. DISPOSAL CODE: WCV LAB CODE: CP5/ Hatfield, PA 19440 Phone (215) 822-2676 Fax (215) 997-1315 D.O.T. PROPER SHIPPING NAME: Non Hazardos Waste ERATOR: Nasp E.P.A. WASTE EPA ID NO.: TYPE CODE: \_ \_ UN/NA: \_ MANIFEST NO .: . 1 QUANTITY DESCRIPTION OF MATERIAL 50# 40/1cu حريجيم

也是我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们也会会会会会会会会会会会 我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的

TOTAL WEIGHT:

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division DISPOSAL CODE: 5/46/2 LAB CODE: L 2337 North Penn Rd. Hatfield, PA 19440 Phone (215) 822-2676 Fax (215) 997-1315 D.O.T. PROPER SHIPPING NAME: P.D. Waste Mereury Compound ATOR: Na 30 11.0.5. HAZARD CLASS: \_ 07644 00/3/5282 E.P.A. WASTE TYPE CODE: DOG9 DESCRIPTION OF MATERIAL **UANTITY** 11 1/2 # دن ۱۱۰۰ ایس YUF 1/4 /4

TOTAL WEIGHT: 3#
877490232

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd.

	North Penn Rd.		DISDOSAT	CODE: //C	1/2 x 42 00	DE. 1.P5/2
Phone Fax (2	(215) 822-2676 215) 997-1315	• .	DOT DD	ADED.		
	1933 Touchrologes los		SHIPPING	NAME: Waste	Dfras Spice	rows Pontax
*	19 Main st.		HAZARD (	CLASS: 6		
	UTD 00/3/5782		TO A WAS	over.	~ 3	
EPA ID NO.:	PAE 1355734-3-5			E: 2003		
	CONTAINER: 5 pa. 1		PAGE	OF	/ DATE	5/12/9.
QUANTITY		DESCRIP	TION OF MA	TERIAL		
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			· · · · · ·	TOTAL WEIGHT	<u>: ځ*                                    </u>	
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REPUBLIC E	NVIRONMENTAL OF PA., INC.	and the second s	e e e e e e e e e e e e e e e e e e e	A CONTRACT OF THE PARTY OF THE	877490234
2337 N Hatfiel Phone (5 Fax (2)	97 M=10 St.	-	DISPOSAL CODE: D.O.T. PROPER SHIPPING NAME: HAZARD CLASS:	Nosle Ilan	Mable Lynds, Carr
ID NO.: N	Lod:, NIO7644 J) 'SO1315282 PAE 135:734-2. 2 CONTAINER: 15 df	2 2	E.P.A. WASTE	0F / OF	DATE 5/12/95
(UANTITY		DESCRIPTION	ON OF MATERIAL	· ·	
1991	Dorone St.	101 -d	2010	<del></del>	
1641	Water Anator	1, h. Acar	E A. J.	Sadrum	Midride Pliz
1 = 1	Tetrahydrofusan	Stabolis	od (no	perso des	
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### REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd

Hatfi	North Penn Hd. ield, PA 19440 (215) 822-2676 215) 997-1315	DISPOSAL CODE: PPB LAB CODE: LP 518	F4/	
G. RATOR: A	IAPP TECHNOLOGIES INC	D.O.T. PROPER SHIPPING NAME: WASTE CAUSTIC ALKALI LIGO	10	
_	199 MAIN ST 1001 NJ 07644	HAZARD CLASS: 8 P.G. II		
EPA ID NO.:	NJD001.315782 PAF 1355734 -3-3	TYPE CODE: DOOS DOOS (NAT:		
	CONTAINER: 509.	PAGE OF DATE 5- 12-95	<u>5</u>	
QUANTITY		DESCRIPTION OF MATERIAL		
/x /pr.	SODIUM HIYDRUXIDE / SUD	UM TARTAGATE		
1 + 4 02.	TETAMBUTYL AMMONIUM	HEDROXIDE		
1: 702.	PARIUM ILDROXIDE			
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TOTAL WEIGHT:

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## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

· The factor	Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440 Phone (215) 822-2676 Fax (215) 997-1315	) ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	DISPOSAL CODE: /WC.W(R) LAB CODE: 1 P 5/84  D.O.T. PROPER
RATOR	199 MAIN ST		SHIPPING NAME: WASTE OPERANCE FROM TOR D SOLO
·	1031 NJ 07694		HAZARD CLASS: 52 PC Z
ID NO.:	NJD 001 315282 / 10.: PAC 1355734-2-5		E.P.A. WASTE Acce Decis TYPE CODE:
	24 CONTAINER: 5 Da. ]		PAGE OF DATE 5 12-95
TITMAUS	TY	DESCRI	PTION OF MATERIAL
. 4	UZ. M.E.K. PEROXIDE IN	DIMET	HYL PHENNAATC
<u> </u>			
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		· ·	
		•	TOTAL WEIGHT:
		·	877490236

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

SYSTEMS OF PA., INC.
Lab Pack Division
21 Church Road
Haffield, PA 19440
Phone (215) 997-9111
Fax (215) 997-9110

	_/ /-				Fax (215) 997-9110				
~ <sub>10</sub> _5	1/12/95				BILL OF LADIN	G		Lab Code LP	5184
Generator/6	Customer:	NAPP	, TEC.	HNOLA	GHES INC.	EPA	ID# NS	100131528	2
Address:	199	MAIN	1 ST				<del></del>	Phone: (201)	733-3
	Zip:								
Destination	/Disposer: 🙎	BUBLIC	ENVIL	COMMEN	THE SYSTEMS (M)	NC. EPA	ID#: <u>PA</u>	0085690592	- 060.
City, State,	Zip:							Phone: (215)82	
Transporter	. RENB	uc (	ENVIRO	NMEN	tal Systems (Tr	ANS GLOUI	າ	Phone: (215) 82	2-267
NTITY	SIZE/TYPE		DESCRIPTION				DISPOSAL CODE	WEIG	
2	17H		COPPOSIVE SOLID					WC-V HAZ	400
	5 GAL OF				PENTOXIDE	·		INON (R)	3#
	O GAL DI			205 1	<del></del>	<del></del>		ECC	50
	70 GAL DI		PISONO		SOLIA		<del></del>	INCIN(N)	150
نه ا	70 GAL DI		ION - HI	AZ 50	DL/D		<del></del>	WC-V NOW-HOW	50
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DOT and PA DER regulations and that the contracted work has been completed to the satisfaction of both parties.

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Date 5-125

Republic Environmental Systems Representative

Date 5/13



# PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P.O. Box 8550 Harrisburg, PA 17105-8550

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Please print or type. (Form designed for use	on elite (12-pitch) ty	pewriter )			Form.	Approved OMB N	o 2050-	0039. Expires 9-3
UNIFORM HAZARDOUS WASTE MANIFEST	21. Generato	r's US EPA ID No.		Manifest ument No.		- 1		the shaded
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	REPUBLIC ENVIRONMENTAL
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	CYSTEMS

#### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name:	Vana	Technologies	<u></u>	Generator EPA ID Number:	NITO	001315282
Manifest Number:_	PAE 13	5573Y				

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs*	Classification Group
	22 a.		X	2008 Lead. Doll Silver 11218 The nacotonide.	N	4
	ファイ、		X	DIST Whanol UZIA This were VIYY Load Actobe	N	1
		<u> </u>				
			L			

W.W. - Wastewater

N.W.W. - Non-Wastewater

\* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

#### Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.

I hereby cortify that I believe that the information I submitted herein is true, accurate and complete

- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classif	ication
Group	B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpar D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only waste which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I an aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardou characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatmen standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

I hereby certify that I believe that the information I s	demined berein is true, accurate and complete.	
all a property and a	_	
Signature: 11/1/20 ) Visiting	Title: 12.	Date: 5-12-55
Signature. Activities		
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Republic Environmental Systems, Inc.

DCN:(01-204-F017) Rev. 0 12/94

REPUBLIC	
ENVIRONMENTAL	
CYSTEMS	

#### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Napla Technologies	lac.	Generator EPA ID Number:	NJD :001315282
70/1			
Manifest Number: PAE 1355734			

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code Manifest Line # (s.g. 11(s), 11(s))	W W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs*	Classification Group
1/0 -	Y	17001 4174 TOC Pandolle Clouids Unnz Aratine	N	A
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1; a.	X	UISY Method into Mother Ethyl Katone	V	A
116.	V	2001 How toc lanitable Liquids FOO3 solvents	γ	A
11 h.	X	Uros Acetonities. VOIA BENTENE, VZZO Tolvene	N	A
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W.W Wastewater	X	2001 High toc lawinable Liquids, NOOZ Cornere SH Z12.5	√ V Non-V	A

<sup>\*</sup> The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

#### Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B: "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

Classification Group D: "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.		1 1
Signature: 15 10 fam 1. Voltage Title: 1:120	Date:	5/12/95
		77

•	_	1
P126	∠af	-
6v		-

### UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Lab Code:

Manifest No: PAE 13557;

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams.

Please identify those constituents which are reasonably expected to be present in the waste referenced above. Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste...

	Constituents	(√)	Constituents	(♠)	Constituents	(₹)	Constituents
	A centanu		Diberazo a. o spyrane		Hepmchicz oporade		Tetrachicrockitemen-decime
			1-2-Dibrametiane (ethylene dibramide)		Hemelicrobenne		Trindiandhau y dom
	Acerephilene		Dibranametica		Resections		1.1.1.2 Tetrachlerostema
	A computations		2-4-Dichlorophonomyscone scad		Hezzekleresyclopuradione		1.1.2.2 Televablesvelustes
	A contential		Diphenytemen		Hamchicroth-tune-furns	-	Trindiametinia (Tetrahlametyl
			1.2-Diphenyl hydramus		Hemschierochumo-p-domm		2.3,4,6-Totrachiorophonoi
	- scatyismunofinarate		Diphenyt Nitrourne		Hemchicrostone		Tonaphane
	A crylenstrale		o.p-DDD		Rezachioropropune		1.2.4-Trichlorobasses
	Aldrea		p.p-DDD		Інфиян А.Д.З.с.Фругана		1.1.1-Dichicarothens
	Aldrin.		o.p-DDB		Independent		1.1.2-Trickles-Aples
	Areline		p.p-DDB		Leobamnek		Trichlerouteptone
	4-Amendaphanyl				Ipodzin.		2.4,5-Trichlersphone
	Anthropena		o.p-DDT		[possitivis		2.4.6-Trichlorophonel
	Aroclar 1016		p.p-DDT		Lepan		1.2.3-Trickleropers
	Arocler 1221		Dibergo( s_h)undersesse		Material		1.1.2 Trickles-1.2.2 trifferrortes
	Arocies 1232		o-Dichlorobergene			•———	vis(1.3-Dilamopropyl) phosphere
	Arociar 1242		m-Dichlaroborasts	<del></del>	Унтанурына		Vinly chicando
	Arocler 1248		p-Dichlorobennes		Methods		Xylam(n)
	Aroclar 1254		Dichlorodi. Dicrometame		Matterychics		•
	Arocier 1260		1.1-Dichlorowhene		3-Methychichmitz and		MORGANIC CONSTITUTO
	siphe-BHC		1.2-Dichlerostums		4,4 Michigan bir (2 chleromilias)		Cymides (Total)
	ben-BHC		1,1-Dichlarostryisas		Metrium chinide		Phonide
	gamma-BHC		trans-1,2 Dichlerostams (2-Dichlerostnylens)		Methyl othyt britine		3454
	Berein		2.4-Dichlerophenol	7	Methyl isobusyl lawas		A <del>ninay</del>
•			2.6-Dichlorophenoi	<del></del>	Metri metacryine		Assis
	Jergera (e)angkradena		1.2-Dichleropropros		Metryl metaneulfatus		leim.
	Bergant b) Chaourthains		cis-1.3 Dichteropropers		Motivi peration		- Daytinus
	Between k.) Discoversheens		•		Naphtalane		Cadelina
	Benerighi)payime		trans-1,3 Dichloropropers		2-Naphthylaman	<del></del>	Chamine (sort)
	В епшех в )рутили		Dialdrin		p-Nitroenline		Copper
	Brumodchlarumethata		Dietzyl phthalate		Minopassane Minopassane		i and
	Bransalatin		2.4-Dimethyl phenol				- Maser
	Bromomethine (metryl bromide)		Dimetryl phthelese		S-Nine-e-Inhaine		Michael
	+- Bromophunyi phunyi other		Di-a-buryt philadate		4-Nitrophenti		Salanna
	n-Butyt sleehol		1,4-Dinisroberusma		N-Minuschellylamas		Silver
	Bucyt benzyt phthelese		4,6-Dirátro-o-crescá		N-Narcacdurastrylanum		Thelians.
	2-sec-Buryl-4,6-daturophenal		2.4-Dinitrophenol		N-Nitros-d-a-burylamma		-
	Curton dereifide		2.4-Diretrotomene		N-Nigrosconskyletkymum		Venden
	Carbon terrachismos		2.6-Dissotrosobana		N-Nigrosconorphotos		TOLUENE
	Chlordene		Di-n-octyl pisthlate		H-Nissamoppendase		
	r-Olamusia		Di-n-propytratementure		N-Nigrosopyerolidas		
	• *		Direktoten		- Parednon		
	Chlorobogane		Endowsten I		Paranchicrobaneans		
	Chlorobermiste		• * * * * * * * * * * * * * * * * * * *		Personal beautiful and		
	C)landsbranementens		Endoration II		Personal burner principal		
	C/Jarosthane		Endomitin mitate		-		
	2-Chlore-1,3-butedums		Endrin		Permehioromyrobonami		
	bu-(2-chlorosthoxy) methans		Endra eldehyde		Pennshlerophinol		
	bis-c 3-chloroethyl) ether		Ethyl scenare		Phirmores.		
	Chlareform		Ethyl berezene		Phonoretern		•
	tus 2-chlorosopropyl) ether		Ethyl eyende		- Phenol		
	r-Chlaro-m-raed		Ethyl other		Phoras		
	Oleranetiste (metryl chlands)		bas-(2-ethythenyt) phihalate		Philiphia Anhydrida		
	:-Olargraphhainn		Etryl motocrylus		Propusade		
,	<b>-</b>		Ethylene ende		Pyrone		
	2-Chlorophonol		Famples		m Pyriáza		
	3-Chloroproposes (3-Chloropropysess)				<b>→</b>		
			Fluorenthene		Su <del>ltrain</del>		
	Chrysens						
	• '		Fluorene		Silvent 14.5-TP)		
	Cressi (máp senera)		Fluorettschlorensettette		Silvent 24.5-TP) 24.5-T		

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#### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Na DJ Tochnologies Inc.	Generator EPA ID Number: 110 00/3/5282
Manifest Number: PAF 1355734	
Manifest Number:	•

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab	Munifest Line # (eg., 11(a), 11(b))	W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y of N)	Classification Group
	28a		$\checkmark$	503 Solvents, DOZZ Chloroform, U154 Matternol	ZEY	4
	78a.		×	VIAC Purdine, 1001 4 on Toc lonitable Liouds	X	∢
	286.		X	1)213 Totrobudio funn. U108 Diaxane	7	<del>d</del>
	286.		X	7001 H - h TOC don tall. Lie u. ds DOTZ Corrosive off 62	2	A
	7Rc.		X	2001 Ox. A. zer Dan7 chiamin Doog Lood 2011 Silver	Ž	Д
	Zed.		X	isolaria 2012 Corresive off 62	N	A
	280.		V	2001 and table Reactives 2003 lanitable reactives	2	A
	28f.		×	2010 Selenium	7	A
W.W Waste	water			N.W.V	V Non-W	astewater

\* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

#### Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

#### Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

#### Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

### Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

#### Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

#### Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I	believe that the	information 1	submitted nerein is	true, accurate and complete.
ا ــــــــــــــــــــــــــــــــــــ				•

Signature: Africa 1. Listage	Title: Life.	Date:
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#### UNDERLYING HAZARDOUS CONSTITUENTS TABLE

·	Manifest No: PAF 135573
	والمشوري والمساوري المساور والمساور والمساور والمساور والمساور والمساور والمساور والمساور والمساور والمساور والمساور

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

Chank if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

)	Constituents	(₹)	Constituents	(┫)	Constituents	(√)	Constituents	
	Asmone		Diberena a. s pyrene		Hepmchier sponds		Tetrachiorodibane-ficus	
	A conspiritulano		1-2-Dibrametiane (ettylane dibramede)		Rescheroberrate		Trindiandhum p-dour	
	A cemaphilana		Dibramometum		Resachterobuschene		1.1.1.2 Tetrollorochus	
	Acertainie		2-4-Dichlorophenoryscose and		Hazachkororyclopennolona		1.1.2.2 Teknohioroshunes	
	A cerophilitatio		Diphenylemes		Herachlorodhumo-furus		Tetradizzotana (Tetradizzota)	/lete
	2-scryismurofina au		1.2-Diphanyl hydraune		Resoldendhenso p downs		2.3.4.6-Totrochlorophonol	
	A cryloratrile		Diphenyl Nitrosanana		Herschierosteme		Tomophone	
	Aldrea		o. <b>p</b> -DDD		Hezachica upropune		1,2,4-Tricklershouse	
	Aldres.		p.p-DDD		Induno(1,2,3,c,d)pyrene		1.1.1-Trichlorostere	
	Andres		o.p-DDE		lodgestate		1.1.2-Tricklerostylene	
	4-Ayranobiphanyl		p.p-DDB		Leobrassol		Trichlorostopione	
	Andresens		o.p-DDT		Isodain.		2.4.5-Tricklerophonel	
<del></del>	4.		p.p-DDT		Isosufrole		2.4.6-Trichlorophonol	
	Arocker 1016		Dibermota.hjandaracena		Kepatu		1.2.3-Trichleropropros	
	Arodor 1221		o-Dichlorobensesse		Methodykowiki		1.1.2 Trickles-1.2.2 tribus-ten	_
	Arocior 1232		m-Dichlorobenzane		Methopymiete		— vis(2,3-Dibromopropyt) phosphese	
	Areclar 1242		p-Dichleroberrana		Martines		— Vinity ebioxida	
	Atociar 1248		• -		Materychicz		Xylama(s)	
	Arociae 1254		Dichlorodifinorumethens		•		INORGANIC CONSTITUENT	TS
	Aroclar 1260		1.1-Dichlaroschume		3-Markychichardarens			121
	alpha-BHC		1.2-Dichlorostune		4,4 Metrylene his (2 chlorosaline)		Cymidus (Total)	
	ben-BHC		1.1-Dichlerorthylene		Madaylama chiazida		_ Phosis .	
	PRC-PRC		tum-L2 Dichlorostums (2-Dichlorostnylans)		Modeyt other brene		<del>5464</del>	
	Bentene		2.4-Dichlorophonol		Modeyi isobusyi kutote		Andready	
, .	anno (a)undersouse		2,6-Dichlarophenol		Motted mottaccylein		- Atomio	
-	Sengo (b) Documbers		1,2-Dichleropropers		Metryl metametican		- Becian	
•	Bennio (k) finoresistratio		cis-1,3 Dichloropropers		Mottyl purotism		Beryllian.	
	Bezzo(g.k.i)perylene		trans-1,3 Dichleropropens		Nuphthales		Cadmina	
	Bergo(s)pyress		Dialdrin		2-Na <del>quisinyhamin</del>		Chromien (total)	
	Bramodichloranudum Bramodichloranudum		Dieftryl philaiste		p-Nitrouniline		Соррег	
			2.4-Dimethyl phenol		Nigrobanisma		Lond	
	Brancian		Dimetry philales		5-Nitro-o-tohudine		Marvey	
	Bramanethine (methyl brantide)		Di-n-buryl phthalate		4-Nitrophetol	*******	Nieks)	
	4-Beurnophunyi phunyi ethat		1,4-Dinimoberane		N-Nitrosodis-Brykemine		Salaman	
	n-Buryt alcohol		4.6-Diniro-o-cress		N-Nitrosodemethylamure		Silver	
	Buryl benzyl philalate				N-Nigoro-di-u-bulylaman		The Distance	
	2-sec-Busyl-4,6-dimin aphomal		2.4-Dissistraphenal		N-Nitroconstylethymnus		 Vandian	
	Carbon, distribute		2,4-Direktokolmene		N-Ninceomorpholine		TOLUENE	
	Curbon terrechlorade		2,6-Dinotrotolome		•			
	Chlordane		Di-a-octyl phthlate		N-Nigroconoppendire			
	p-Ottorounities		Di-n-propyletrosomes		N-Nitrosopytrohdine		•	
	Charbone	,	Distriction		Peroteion			
	Olerobeniste		Endoralita i		Parachicroborome			
	Chlarothiranguettans .		Endoration II		Permittiand Danie - Natura			
	- Characture		Endomifes mifete		Persochlandhumo-p-diotins			
	= 2-Chloro-1,3-bandane		Endrin		Permetilerentrobusers			
	bu-(2-chlorosthosy) methane		Endrin sldehyde		Persachlorophenol			
	ba-(2-chlorostryl) other		Ethyl acousta		Photocom			
	Charlem		Ethyl burgers		Photostewa			
	tant 2-chlorosopropyi) what		Ethyl syunde		Phonoi			
	•		Ednyl other		Phorese			
	p-Oloro-m-creal	. ——	tus-(2-ethythexyt) phthalate		• Patulis Anhydride			
	Chloromethans (mathyl chlorids)		Ethyl methocylete		Pronumde			
	2-Chloronephibalone		•		Pyrum			
	2-Olkrophetal	<u></u>	Ethylana osada		Pyridine			
	()-Chloropropoles  ()-Chloropropoles		Fampler		6 71 <del>- 11 - 1</del>			
	-		Fluorenthene		Sutrale			
-								
	Chrysetia ***		Finance		Silven(24,5-TP)			
	o-Cressi Cressi (mán sessas)		Fluorens Fluorenschlarunsehme		Silven(2-4.5-TP) 2-4.5-T			

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ENVIRONMENTAL	

#### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Napp Technologies	Generator EPA ID Number: NJD :0013/5282
Manifest Number: PAE 1355734	
Manifest Number:	

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	Concern	UHCs*	Classification Group
	Z89,		X	DOOR Landalle Recetures 2003 landelele Recetures	7	A
	28 h		X	DODY Argenic POIZ Argenic Trioxide.	2	A.
	281		X	POVE Dinitrophenol	7	A
W.W. Waste					V Non-V	

\* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

#### Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

Classification Group D: "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: 1. 1.	Title: Lefa	Date	: <u>5-12-95</u>
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Page of

	CK II DONE OF the Chart,		ardous Constituents (UB				
	Constituents		Constituents	(√)	Constituents	( <b>4</b> )	Constituents
			Dibenson a.e pyruse		Happachler eponds		Tetrachicrodilume-funts
٠^	cetons				Hemchlorobennene		Tetrachieradhento-p-diosins
_ ^	cenephthelene		I-2-Dibrometane (ethylene dibromule)		Rezachlorobutadana		1.1.1.2 Tetrachleroshme
_ ^	conspiritore		Dibromonarchene		Hemehlerorysispundiens	<del></del>	1.1.2.2 Telepolistyschemes
_ ^	CONTRACTAL		2-4-Dichlorophenoxyseens and		Hanchicrothesso-ferm		Tetrachiorostum (Tetrachiorostyle
_ ^	cetophatisme		Diphenylemen		Hamehierotherso-p-thorne		2,3,4,6-Totachkerephonei
-	-acquylarmano@unrere		1.2-Diphenyt hydraums		Hemchicrosthans		Totaghene
_ ^	- Crylcastie		Diphenyl Nirosenese		Henchleropropens		1,24-Tricklersbeamen
- ^	lide ma				Industrial L2.3,c,d)pyrene		1.1.1-Trickjeroskom
_ ^	Lidren.		p.p-DDD		lodgraethane		1.1.2-Trickleredgiste
_	Unione .		o.p-DDB		Lecturence		Trichlerosteplens
_	-Amusobiphenyi		p.p-DDE o.p-DDT		Locken		2.4.5 Tricklesschmad
_	THE STATE OF THE S				Lecandrole .		24.6-Trickin-spheros
_	crociar 1016		p.p-DDT		Kepata		1.2.1-Trichleropers
_	trader 1221		Diberro(a hierdersome		Methocytomicale		1.1.2 Trichlero 1.2.2 triffserovéesse
_	Aroder 1232		o-Dichlerobettene m-Dichlerobettene		Methapythma		vis(2,3-Dileomopropyt) phosphes
_	trocler 1242		m-Dichlorobellaten p-Dichlorobellaten		Methanol		Vinty démiés
_	Arocior 1248		•		Mathemythiar		Xylana(s)
_	treder 1254		Dichlorodiffuorumeture		3-Metrychichenheute		INORGANIC CONSTITUENTS
_'	Crocker 1260		1.1-Dichlorostume		4,4 Metrylane his (2 chloromitis)		Cyunidat (Total)
_	hphs-BHC		1,2-Dichloroothans		Mottylana chlorida		Placeta
_	ere-BHC		1,1-Dichlorostryime		Motori ottyl kotom		,
_ 1	PHO BEC		trans-1.2 Dichleroshuns (2-Dichleroshylens)	7	Methyl isobani katan		- Andrew
١	Becomme :		2.4-Dichlorophenol		Metryl zurtuszykia	•	Arrenia
ŝ	-epigo( & ) surface-ente		2.6-Dichlorophenol		Metryl protestrations		
_ ;	Berger b) finourshane		1,2-Dichleropropose		Mediyi persises		Berjima
_ 1	Bermo(k)fluorenthens		cie-1.3 Dichleropropens		Naphthalane		Codmins.
1	Besse(g.k.i)perylane		trans-1,3 Dichlaropropens		2-Naphtrylaman		Chroning (1994)
_	Веспо( з )ругин		Dieldrin		P. Nigrousian		Coppet
_	Bromodichlaranethus		Distryt phthelate		Naroberane	<del></del>	Lord
_	Bronoform		2,4-Dimetryl phenol		S-Nigro-o-tubudina		- Marry
_	Bromometium (mettyl bromide)		Dimetryi phthalesa	<del></del>	4-Nitrophenol		- Minkel
_	4-Bromophanyi phanyi ethar		Di-n-busyl phthabas		N-Hitrorodistrylamins -		Selection
_	n-Butyl alcohol		1.4-Distrobension		N-Nitrosodimethylaman		Silver
_	Butyi burzyi phibalate		4.6-Dinitro-o-cresol 2.4-Dinitrophenol		N-Nigroso-di-a-busylamate		TheDisse.
_	2-sec-Buryi-4,6-directophenol		2.4 Digitirotelinana		N-Nik cocasainis dilyamus		- Vandium
_	Carbon darulfide		2.6-Dinotrotolasse		N-Nitroscanospicalino		TOLUENE
_	Curbon werechloride		Di-n-octyl phthirts	-	N-Nitrosamoppendine		_
_	Chlordens		Di-n-propylitatrosounum		N-Ni <del>arasopyarahdina</del>		
_	p-Otiorosaline		Directors		Paretion		
	Cilorobatoms		Endoration (		Pagadiaubases		
_	Chlorobernaliste		Endoration II		Personal and Perso		
_	Charachemanotana		Endomitian suifate		Pancilandhan y daine		
_	Chicrostane		Endria		Papachiaranavbarana		
_	2-Chloro-1,3-bumdama		•		Perachicropherol		
_	bu-(2-chlororthoxy) methus		Endrin aldebyde		Phonesta		
	ba-d J-chlorouthyl) other		Ethyl acetus		Physiotrane		
	Chlereform		Ethyl benzene Ethyl cyande		Phenol		•
_	has 2-chlorosopropyi) other		Ethyl ether		Phorase		
_	p-Olice-a-cred				Phonic Antrydride		
_	Chloromethene (methyl chlorode)		bu-(2-othythenyt) phthalate	<del></del>	Promande		
_	2-Chlororapholates	,	Ethyl methocrylate		Pyrene		
	2-Olamphoral		Ethylene onde		Pyridise		
	3-Chloropropoless ( 3-Chloropropoless )		Famphot				
_	Chrysens		Plogrambase		Sutrole		
_	e-Crussi		Phores		Sirver 2.4.5-TP)		
-	Crossi (mikip sement)		- Fluorotrakjaramethme		24.5-T .		
	·		•				

D	•				Page	of_
REPUBLIC	- 4 1					
NVIRONMENT SYSTEMS	LAND DI	SPO	SAL	RESTRICTION NOTIFICATION CERTIFICATION FOR	M	
	NEDO T		رآيه وا	109105 Inc. Generator EPA ID Number	7) O	01315
Generator Name:						
Manifest Number:_	PAE 13	22		> 7		
Part 268, to the tree	tment, storage or o	dispos: .7, I ha	al facil ve ind	notification/certification, in accordance with the Land Disposal Restriction registry which receives the wastes referenced below. In accordance with the waste icated below the relevant information required to properly manage my waste(s) 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.33	analysis an in complian	d recordkee ce with the I
Approval/Lab Code	Munifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs*	Classificati Group
	289,	1822,833	X	DOOR Mercuni	٨٢	A
<del></del>	786		<del>  \</del>	DOOR Corrosive of Ez	12	A
	78c,		×	DOST CAMPSING DHEIRS DOOS BACKENA	3	A
	2.80		Ŷ	2005 Barian Day Chromian Day Silver	I N	A
	78e.		X	page offer reactives	1.7	A
	78.F.		×	17050 Molliulene chinide, UZII Corbin Tottachinide	12	Δ.
l,, _ ·- ·- ·- · ·-	28F.		X	DO14 chloroform, UZZ& Trichloroethydon-	N	A
	72C		X	11210 Tetrachor Huling, UIZZ Formaldehade	N	A
W.W Waste				N.W.	W Non-W	astewater
				JHCs) must be identified for waste streams with the EPA Waste Codes F001-I		
				-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities)		mplete and
			ituent	s Table sheet (photocopy as necessary) for each affected Approval/Lab Code.		
	ication Group			and the second s		
A. Re	stricted wastes	whi	ch re	quire treatment.		
B. Re	stricted wastes	alre	ady t	reated to meet LDR Treatment Standards.		
C. Re	stricted wastes	treat	ted w	rith a Specified Technology.		
D. Re	stricted waste	that i	neet	LDR Treatment Standards without prior treatment.		
E. Re	stricted wastes	subj	ect to	o an Exemption or Variance.		
				Alternative Treatment Standards in 40 CFR 268.45 (List Co	ntaminar	its).
				Treatment Standards in 40 CFR 268.40.		•
		-		Alternative Treatment Standards under 40 CFR 268.42(c).		
11. 100		-				
I. W	astes already tre	eated	to re	move hazardous characteristic(s) but require further treatment f	or underl	vino

The following certification statements correspond to the Classification Groups as specified below:

hazardous constituents (list constituents).

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I st	ibmitted herein is true, accurate and complete.	
	· · · · · · · · · · · · · · · · · · ·	Date: 5-12.95

		UNI	DERLYING HAZARDO	JS CON	STITUENTS TABLE		Page Zof
Lab (	_	For F	001-F005, F039, D001, D	002 & D	012-D043 Waste Stream	15.	: PAE (35573
A Ch	Please identify those eck if none of the Underly	constitu	ents which are reasonabl	y expect	ted to be present in the	waste re	ferenced above.
<u>,                                     </u>	Constituents	<b>(4</b> )	Constituents	(₹)	Constituents	( <u>4</u> )	Constituents
	Acetom		Dibergus a.e дугета		Hepmchicz eponds		Tetrachicrofilmus-farms
	Aconophibalime		1-2-Dibrometium (edylane dibromide)		Hemchicrobenson		Tetrationalismo p-domin
	Accompidate		Dibronometane		Hexachiorobundame		1.1.1.2 Tetrachicrostume
	Acertains		2-4-Dichlorophenosystems and		Bezachlorocycloperactions		1,1,2,2 Tetrachicrostumes
	Acetophenone		Diphenylamane		Hamchkrodhumo-furms		Tetrachicrostums (Tetrachicrostylens)
	Z-acetylamunoftum ene		1.2-Diphenyl hydrazma		Henschleroddomes-p-demes		2.3,4,6-Tetrachiorophonol
	Acrylomatale		Diphanyl Nitrosamas		Hespehlurosthane		Tomphase
	Aldrea		o,p-DDD		Hemehicropropens		1.2.4-Trichlorobenne
	Aldria		p.p-DDD		Indexed 1.2.3.c.d)pyrene		1,1,1-Trichkerostama
	Ambine		o.p-DDB		loderne there		1.1.2-Trichlerostylens
	4.Amusoluphan/l		p.p-DDB		Leobatemal.		Trichlerostyless
	Anthroceno		o.p-DDT		Isokin.		2.4.5-Trichlorophenol
	Arocler 1016		p.p-DDT		[postrole		24.6-Trichlorophettel
	Aredex 1221		Dibennot a.h.jumbracene		Kepton		1,2,3-Trichlorupropus
	Arodor 1232		o-Dichlorobenzana		<del>Motnaylantile</del>		1,1,2-Trichlaro-1,2,2-triffscrustume
	Arocler 1242		m-Dichlorobensone		Methapyniana		eis(23-Dileumopropyt) phosphes
	Arocier 1248		p-Dichlerobenzens		Methanol		Vinty chloride
	Arecler 1254		Dichlored fluoremethers		Methorychier		Xylama(s)
	Arocler 1260		1.1-Dichlerosthane		3-Metrychiolambrus		NORGANIC CONSTITUTORIS
	siphe-BHC		1.2-Dichlerorthme		4,4 Mottylane bis (2 chlorosuline)		Cyunidas (Total)
	bets-BHC		1,1-Dichlorostylens		Motoylene chloride		Placeido
	BHC - BHC		true-L2 Dichlarorhum (2-Dichlarorhylum)		Mathyl otkyl krime		3454
	Вегали		2,4-Dichlorophenol		Mothyl isolatyl kateta		- A <del>zinaty</del>
	3emen(#)urduseme		2.6-Dichlarophenal		Matri metacrysa		Azene
	Berger b) finourshers		1.2-Dichloropropers		Methyl methaniquese		lein -
	Benzo(k)fluorarchere		cis-1,3 Dichloropropens		Methyl peration		Berytima.
	Benno(g.k.i)perylene		trans-1.3 Dichkoropropers		Nuphthalane		Chromium (total)
	Вессия (в) ругень		Dieldrin		2-Nughthylamina		Capper
	Branodichkromethme		Diethyl phthalete		p-Hisrossiline		Led
	Bromoform		2.4-Disnethyl phenol		Nigrobanzana 5-Nigro-o-tolaidina		
	Brumamethane (methyl branude)		Dimetryl phthalate		4-Nitrophenoi		Nicipal
	4-Bromophenyl phenyl ether		Di-n-buryt philalete		N-Nitrosodieftylamins -		Salarian
	n-Busyt alcohol		1,4-Disprobanzana		N-Nitrosodanadnjanam		Silver
	Buryi berayi philaiste		4,6-Dinim-o-cresol		N-Nitroso-d-a-busyleness		Tradition.
	2-sec-Buryl-4,6-dimirophenol		2,4-Dinitrophenol		H-Nitrosomettyletilysmen	<del></del>	Vetedina.
	Carbon disulfide		2,4-Directorium		N-Nitrosomorphobra		TOLUENE
	Carbon terrschionide		2,6-Dinotrochens		N-Nitrosanoppenins		
	Chlordane		Di-n-octyl phthlate		N-Nitrosopytrobáne		
	p-Orientaline		Di-n-propytratrosoumes	***************************************	Paration		
	Chlorobosome		Direifotan Endoratfan I		Perinchiarebenness		
	— Chlorobermiste		•		Panadiardham-faras		
	Olorodizatorestiate		Endomition II		Penticipations - desire		
	Chlorostiane		Endoration ruthin		Periodicantrobertas	•	
	2-Chloro-i.3-bundime		Endesa.		Penadkrophnal	•	
	bu-( )-chiorosthosy) Resthans		Endrin sideltyde		<del></del>		
	bis-(2-chlorostryl) other		Ethyl scenus		Pharmoren 		
	Chloroform		Ednyl berizens		Phonoi		
	Large Abanana Landon		Eftivi cyanide				

Silvent 2.4.5-TP)

1.245-Ternel

245T

bus-(2-ethylhenyl) phuhalata Ethyl methocrylata

~Creed

Cresol (mikp somers)

Сусіоналична

#### REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

Lab Pack Division 21 Church Road Hatfield, PA 19440 Phone (215) 997-9111 Fax (215) 997-9110

A. C. C. C. C. C. C. C. C. C. C. C. C. C.	
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,ate 3/12/73	

,ate 5/12/95						BILL OF LADI	NG	Lab Code				
	Cueto	mer.	NAPP	TECH	HNOLOG	HES INC.	EPA I	D#:	JD001315282			
ddraee.	19	9 14	AIN :	STREE	<u> </u>				Phone: (201) 7	33-3900		
ty, State	e, Zip:	100	21, N	<u>J.                                      </u>	076							
estinatio	n/Dist	oser: R	EPUBLIC	ENVIE	ONMEN	TAL SYSTEMS (PA)	INC. EPAI	D#: PAL	085690592			
ity, Stati	e, Zip:	_HA	TFIEL	s PA	19	440			Phone: 2/5-82	2-8775		
ransport	er:	REPUB	UK EN	vikovni	ENTAL S	SYSTEMS (TRANS G	FROUP)		Phone: 215-82	2-2676		
ITITY	SIZ	E/TYPE				DESCRIPTION			DISPOSAL CODE	WEIGHT		
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DE FLAMMABLE LIG						QUID, CORROSIVE	•		INCIN(R)	300 miles		
5 GAL DF FLAMMABLE						QUID, COPROSIVE	·		AMINE	7*		
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						QUID, CORROSINE			INCIN(N)	24#		
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		AL DF		SONOL	15 500	40			INCIN(N)	3#		
		AL DF		FRCURY	COMP	OUNDS			STABLEX	3#		
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irtify that the above materials are described, classified, marked, labeled and are in proper condition to be transported under applicable deral EPA, DOT and PA DER regulations and that the contracted work has been completed to the satisfaction of both parties.

Republic Environmental Systems Representative

#### This Memorandum

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or dup: 12 covering the property named herein, and is intended solely for filing or record.

Shipper No.	
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Carrier No.	C7285
O411101 110.	

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ageof	<u> 3</u>	Shin Maria	Date	5/12/	
		(Name of carner) (SCAC)	Date		

Pageof		(Name o	f carner)	(SCAC)	Date	3 /12/
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	. Mar. 570400		Street 3. 7	wat one	State 1	Zip Code 🕡
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No.of Units Container Type	НМ	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE
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REMIT C.O.D. TO: ADDRESS

Note — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding.

I hereby declare that the contents of this consignment are Jully and accurately described above by proper shipping name and are classified, pached, marked and labeled, and are in all respects in proper condition for transport by B Rail B Highway B Water IDELETE NON-APPLICABLE MODE OF TRANSPORT) according to applicable international and national governmental regulations.

COD Amt: \$ C.O.D. FEE: PREPAID | COLLECT |

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consegnor)

TOTAL CHARGES: \$ FREIGHT CHARG

RECEIVED subject to the classifications and lawfully filed tarrifs in effect on the date of the issue of this Bit of Lading, the property described above in apparent good order except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract agrees to carry to its usual place of delivery at a said destination, if on its route, otherwise to deliver to another carrier on the troute to said destination it is mutually agreed as to each carrier of all or any of, said property over all or any portion of

said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper nereby certifies that he is lamiliar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

UNIPPER ,	CARRIER TILL COO.
PER ALLANDA	PER Jely
	DATE Shelss

2 of 3

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Memorandum Bill of Lading, nor a copy or duplicate, cointended solely for filing or record.

ill of Lading, nor a copy or duplicate, covering the tended solely for filing or record.	property named hereir	i, and is	Shipper No.		
			Carrier No.	<u> </u>	21 TO
Bolos Cl.c.	·•		Date	5/12	195
(Name	of carrier)	(SCAC)		•	·
ust appear before consignee's hame or as otherwise provided in Item 430. Sec. 1	FROM: Shipper To John Wall	City ince	Co		
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e ,0 (7 - Zip Code 0 76 (17)	1	ntact Tei. No.			
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— Where the rate is dependent on value, shippers are ed to state specifically in writing the agreed or declared of the property is agreed or declared value of the property is hereby loasy stated by the shipper to be not exceeding.

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are clearlied, peched, merked and labeled, and are in all respects in proper condition for transport by & Reil & Nighway & waser (DELETE NON-APPLICASLE MODE OF TRANSPORT) according to applicable international and national governmental regulations.

REMIT C.O.D. TO: ADDRESS COD

Amt: \$

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignor without recourse on the consignor, the consignor shall sign the following statement:

The camer shall not make delivery of this shipment without payment of feight and all other lawful charges.

TOTAL CHARGES:

C.O.D. FEE: PREPAID COLLECT

FREIGHT CHARGES

RECEIVED, subject to the classifications and I lawfully filed itariffs in effect on the date of the issue of this Bit of Lading, the property described above in apparent good order except as noted (contents and condition of contents of packages unknown), marked. Consigned, and destined as indicated above which said carrier (the word carrier being understood throughout his contract as maning any person or corporation in possession of the property under the Contract) agrees to carry to its usual place of delivery at said destination, it on its route, otherwise to deliver or another carrier on the route to add destination it is mutually agreed as to each carrier of all or any of, said property over all or any portion of

said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of singment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and he assigns.

12 MAPP	CARRIER 1940 CAR
W Handalde.	PER Tollanday
J	DATE \$ // . (5

is an acknowledgment that a Bill of Lading has been issued and is not the Original

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PL	ACAR	DS TENDE	RED:YES NO	REMIT C.O.D. TO: ADDRESS			1 1	
		on value, shippers are the agreed or declared	I hereby declare that the contents of this consignment fully and accurately described above by proper ship name and are classified, packed, marked and labeled.	COD	Amt: \$	C.O.D. I PREPAI COLLEG	D (1)	
		the property is hereby se not exceeding	are in all respects in proper condition for transport by <b>B</b> R. Highway <b>B</b> Water (DELETE NON-APPLICABLE MODE TRANSPORT) according to applicable international and tional governmental regulations.	or consignee without recourse to following statement:	onditions, if this shipment is to be dele on the consignor, the consignor shi	wered to the TOTAL CHARG		
	per			freight and all other lawful chi	delivery of this shipment without parges. Squaure of Conseptor	Payment of FREIGHT		RGES

which said carrier (the word carrier being understood throughout inis contract as meaning any person or corporation in possession of the property under the contract lagrees to carry to a susual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of-

Shipper nerely cerems that he is lamillar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

d -A VATIO	CARRIER Thomas Cham
PER XU Janon XXX	PER - daly
2	DATE 5/2.51

KEPUBLIC
ENVIRONMENTAL SYSTEMS

## LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMI	CALS INC	Generator EPA ID Number: NJD001315282
PAE4138433		
Manifest Number:		<del></del>
Part 268, to the treatment, storage or dispo	sal facility which receives the wastes	accordance with the Land Disposal Restriction regulations set forth in 40 CFR es referenced below. In accordance with the waste analysis and recordkeeping

Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code: AL38270

Waste Water: N Non Waste Water: Y UHC'S: Y

Waste Codes: D001

Sub Categories:

HIGH TOC IGNITABLE CHARACTERISTIC LIQUIDS

Constituent(s):

NO UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

the information I symmitted herein is tryproccurate and complete.

Page \_\_\_\_\_ of \_\_\_

Class Group: A

# REPUBLIC ENVIRONMENTAL SYSTEMS

Number 393395	2337 NORTH PEN HATFIELD PA					
PATE OF PICKUP 5-15-55	EPA IDENTIFICATION CODE NO. NJ	D00131528	·	<del></del>	<del></del>	
ENERATOR NAPP CHEMICALS INC	ADI	DRESS 199	AIN ST	REET		
CITY LODI	STATE_	NJ		644 PHONE	201 7	73-
CONTACT: BOB LOEWENSTEIN	BROKER:					
US DOT Description (Including Proper Shippi	ing Name, Hazard Class, and ID Numb		ntainers Type	Total Quantity	Unit Wt./Vol.	w
a. RQ WASTE ALCOHOLS, N.O.S.,3,U (ISOPROPYL ALCOHOL)	N1987,PG II			0.7530		
b.			/	03539	G	D
c.						
d.			<u> </u>			
•.						
Additional Information/Lab Code		En	ergency Ph	one#		L
a AL38270 S01	c					
ь	d					
CONTRACT/PO NO.						
	SPECIAL INSTRUCTIO					
NO. OF OVERPACKS USED	- Sukout SA	VIERBE H	ANKS.			
START TIME						
ARRIVAL AT CUSTOMER					······································	
DELAY TIME	-					
DELATITIME						
		•				
GENERATOR CERTIFICATION: "I hereby declare that the contents of this cons and labeled, and are in all respects in proper calso certify that a former listed above are true."	condition for transport by highway accordant correct.	ped above by pro-	per shipping	al and national gove	sified, pack	egulat
"I hereby declare that the contents of this cons and labeled, and are in all respects in proper of	condition for transport by highway accord	ped above by pro ling to applicable	per shipping	name and are classed and national gove	sified, pack	sed, m egulat
"I hereby declare that the contents of this cons and labeled, and are in all respects in proper calso certify that all mines lighted above are true Print Name	condition for transport by highway accordant correct.	ding to applicable	Internation	Date \( \)	NER	egulat
"I hereby declare that the contents of this cons and labeled, and are in all respects in proper of also certify that all times lighted above are true Print Name TRACTOR # TRAILER#	condition for transport by highway according to transport by highway according to the correct.  Signature  BOX SPOTTED#	ding to applicable	Internation	al and national gove	NER	sed, megulat
"I hereby declare that the contents of this cons and labeled, and are in all respects in proper calso certify that all remes lighted above are true Print Name TRACTOR # TRAILER#  TRANSPORTER #1  COMPANY REPUBLIC ENV. SYS.	condition for transport by highway according to transport by highway according to the conference of th	BO	PICKED U	Date SP LI	NER 2-8995	sed, m egulat
"I hereby declare that the contents of this cons and labeled, and are in all respects in proper calso certify that all remes listed above are true Print Name  TRACTOR # TRAILER#  TRANSPORTER #1  COMPANY REPUBLIC ENV. SYS.	condition for transport by highway according to transport by highway according to the conference of th	BO:	PICKED U	Date (LI) P# LII P# 215 822 PAD085690592	NER 2-8995	egulat
"I hereby declare that the contents of this cons and labeled, and are in all respects in proper calso certify that all remes lifted above are true.  Print Name	condition for transport by highway according to transport by highway according to the conference of th	BOS	PICKED U	Date LIPS 215 822 PAD085690592	NER 2-8995	egulat
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TRANSPORTER #1 COMPANY  TRANSPORTER #2  COMPANY  REPUBLIC ENV. SYS.	condition for transport by highway acdors and correct.  Ski Signature  BOX SPOTTED#  (PA)  SIGNATURE	BOX	ONE NUME	Date (LI) Date (LI) DER 215 822 PAD085690592 DER 215 822	NER 2-8995	- Survivor
"I hereby declare that the contents of this cons and labeled, and are in all respects in proper of also certify that all rimes lighted above are true. Print Name.  TRACTOR # TRAILER#  TRANSPORTER #1 COMPANY PRINT NAME TRANSPORTER #2 COMPANY REPUBLIC ENV SYS.  PRINT NAME TRANSPORTER #2 COMPANY PRINT NAME TRANSPORTER #2 T	pondition for transport by highway according correct.  Ski Signature  BOX SPOTTED#  (PA)  SIGNATURE  TRANS GROUP)	BOS	ONE NUME	Date (LI) Date (	NER 2-8995	- Survivor
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White - GENERATOR FILE

Blue - TRANSPORTER FILE Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

Goldenrod - TSD FACILITY COPY

**FORM** (Rev.

REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.	1
Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440 Phone (215) 822-2676	DISPOSAL CODE: WCV LAB CODE: 2/35/29/
FEX (215) 997-1315  MERATOR: (27)	D.O.T. PROPER SHIPPING NAME: Non March 18
179 Mar 2+	HAZARD CLASS: Non 12001/2 +-
A ID NO.: 15-2-1-3-3-3-7	E.P.A. WASTE TYPE CODE: UN/NA: NA:
:UM NO.: 24 CONTAINER: 171-1	PAGE OF DATE S
QUANTITY DES	SCRIPTION OF MATERIAL
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	TOTAL WEIGHT: / YO

# REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd.

Ph F	1atfield, PA 19440 one (215) 822-2676 ax (215) 997-1315
<b>GENERATOR:</b>	NAPP TECHNOLOGIES INC
	199 MAIN ST
	LODI NJ 07644
	NJD001315282
MANIFEST NO.	: PAE 1828573-B
DRUM NO.: 2	S CONTAINER: 17H
QUANTITY	

DISPOSAL CODE: ECC LAB CODE: LP 518
D.O.T. PROPER SHIPPING NAME: KO, Washe Flammable L.g.
HAZARD CLASS: _3
EP.A. WASTE 01/2, 0044, 0237, 0154  TYPE CODE: 1001,0210 (D) NA: 1993 PG
PAGE

QUANTITY	DESCRIPTION OF MATERIAL
Sast	Chloroform voyy
500	Yuline U239
2× 1921	FAIrul acetale 17112 11
4× 19+	Ink III
ligh	150 70 1.2201
Ice lo	Xylone
1.7	Tolore 11220
1/2001	. " Uzzo
<u> 19a1</u>	Isopropanol.
1'ga1	50/ Acetore, 590 Isoproponal balance water
1/0+	Melhard UISY
10+ 2 × 11 =	2.6- Dinethyl an line
2×10+	Lans cleaner w/ 130, 300 gnal 11
6× 1160+	Isoner and HTI
Cox Post	etlanol 11
5mi	glucon a acid 14-7
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	TOTAL WEIGHT: /50#
	TOTAL WEIGHT: /50#

# REPUBLIC ENVIRONMENTAL

SYSTEMS OF PA., INC.
Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fay (216) 997-1315

Fi	¤ (215) 997·1315	•	
NERATOR:	NAPP TE	CHNULOGIES	INC
	199 MA.	w 5T	
	LODI A	JT 07644	
ID NO.:	NTOOGIS	315282	
NIFEST NO.	PA= 187	28573-1	4
	CONTAIN		

DISPOSAL CODE: ECLAB CODE:	75184
D.O.T. PROPER SHIPPING NAME: RO. Wasle Flamma	He Light
	N. 0.3.
HAZARD CLASS:	
EPA. WASTE DOZZ, FOOZ TYPE CODE: DOO! UNINA: 1993	S PGIT
PAGE OF DATE	
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TOTAL WEIGHT: /36#

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QUANTITY	DESCRIPTION OF MATERIAL					
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## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division

Hattic Phone Fax (2) GENERATOR:	North Penn Rd. eld. PA 19440 (215) 822-2676 (215) 997-1315  1:	DISPOSAL CODE: WCV LAB CODE:  D.O.T. PROPER SHIPPING NAME: Non Handle Waste  HAZARD CLASS: Waste TYPE CODE: JA UN/NA: UIA  PAGE OF DATE
QUANTITY	DESCR	IPTION OF MATERIAL
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		TOTAL WEIGHT: 45#
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# REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

ERATOR:  LID NO.:  NIFEST NO.	Lab Pack Division 337 North Penn Rd. Hatfield, PA 19440 hone (215) 822-2676 Fax (215) 897-1315  NAPP TECHNOLOGIES WC  199 MAN ST  LODI NJ U7644  NTD OUI 315 287  PAT 1828573 - 3 - 7  28 CONTAINER: 12 d L.	DISPOSAL CODE: PRB LAB CODE: LIFTY  D.O.T. PROPER SHIPPING NAME: Maste Ammania Solvto.  HAZARD CLASS: 8  E.P.A. WASTE TYPE CODE: DOOZ UNINA: Z672 PG Z  PAGE OF DATE 5-15-95
QUANTITY		DESCRIPTION OF MATERIAL
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TOTAL WEIGHT: 2 4 #

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division

Hattie Phone (Fax (2)  ERATOR:	North Penn Rd. 101. Pd 19440 215) 822-2676 15) 997-1315  APP TECLINOLOGIES INC. 99 MAIN ST  LODI NJ 67644  NJD 001315282  PA-1828573-2-3  CONTAINER:	DISPOSAL CODE: /// LAB CODE: 1958  D.O.T. PROPER SHIPPING NAME: Nosle Ox d 2:09 Cobs  HAZARD CLASS: 5./  E.P.A. WASTE TYPE CODE: DOG / UNINA: 1479 P  PAGE OF DATE 5-15.4
QUANTITY	DESCRIP	TION OF MATERIAL
50"	Bismuth Vitrale	
2 1 14	Calcium Hyonchlinda	
1/4#	11	
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TOTAL WEIGHT: 53 #

# REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

Lab Pack Division 2337 North Penn Rd. DISPOSAL CODE: PRA LAB CODE: . Hatfield, PA 19440 Phone (215) 822-2676 Fax (215) 997-1315 D.O.T. PROPER SHIPPING NAME: Waster Ilydrach livie HAZARD CLASS: \_8 E.P.A. WASTE TYPE CODE: 1002 'A ID NO.: UNNA: 1789 ANIFEST NO.: PAF RUM NO.: 30 CONTAINER: \_\_\_ OF \_\_\_ DESCRIPTION OF MATERIAL **QUANTITY** Sulution laal 11 402 , H 1 7世 TOTAL WEIGHT:

RE	PUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.
	SISTEMS OF PA., INC.
•	Lab Pack Division

2337 North Penn Rd. Hatfield, PA 19440 Phone (215) 822-2676 Fax (215) 997-1315 D.O.T. PROPER SHIPPING NAME: Wash ERATOR: MANN HAZARD CLASS: . E.P.A. WASTE TYPE CODE: 1000 Z EPA ID NO.: MANIFEST NO.: PAE 127257 **QUANTITY** DESCRIPTION OF MATERIAL 50% 1/120 . ,

**TOTAL WEIGHT:** 

# REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd.

Pho	Hatfield, PA 19440 one (215) 822-2676 ax (215) 997-1315	DISPOSAL CODE: 10 AB CODE: 11500
	MAPP TECHNOLOGIES INC	D.O.T. PROPER SHIPPING NAME: Waste Waste
	199 MA.N ST	
	100. NJ 07640	HAZARD CLASS:
A ID NO.:	NJOCO1315787	PAGEOF DATE
	: PANTA 173-3-3	
RUM NO.: 5	CONTAINER: Signal	PAGEOF DATE
QUANTITY	T	DESCRIPTION OF MATERIAL
1221	Whilesone	
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## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

	WS OF PA., INC.
G. ERATOR: _  EPA ID NO.: _  MANIFEST NO.:	DISPOSAL CODE: WCP LAB CODE: 17 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
QUANTITY	DESCRIPTION OF MATERIAL
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TOTAL WEIGHT: / 🛠

REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd. DISPOSAL CODE: LAC A (N) LAB CODE: 185184 Hatfield, PA 19440 Phone (215) 822-2676 Fax (215) 997-1315 D.O.T. PROPER MERATOR: NAPI TECHNOLOGIES INC SHIPPING NAME: Waste Flammible 199 NAW ST **HAZARD CLASS:** 07644 LUDI NJ E003, E.P.A. WASTE NTD 001315282 TYPE CODE: 2001 5002 ANIFEST NO.: #AF 18285 7 DATE \_5-/5-95 **EVIM NO.: 34** PAGE \_ CONTAINER: **QUANTITY DESCRIPTION OF MATERIAL** 100 : :>-0 meth in -

TOTAL WEIGHT:

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# REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd.

	ild, PA 19440 215) 822-2678	DISPOSAL CODE: (ACA/V) LAB CODE: (P5/F		
Fax (2	15) 997-1315	DOT PROPER		
G_GERATOR:	APP TECHNOLUCIES WC	SHIPPING NAME: Waile France A Cic		
<u>/</u> ;	99 MAIN ST	· ~		
10	101 NJ 07644	HAZARD CLASS:		
EPA ID NO.:	17001315282	EPA WASTE DO 2		
	HT 1828573 -2 -8	TYPE CODE: UIZ3 UNNA: 1779 PG		
		PAGE OF DATE		
DRUM NO.: 22	CONTAINER: 509.	PAGE OF DATE		
QUANTITY		DESCRIPTION OF MATERIAL		
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		TOTAL WEIGHT: /#		

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TOTAL WEIGHT:

# REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

2337 Heffi Phone Fax  .ERATOR:	DISPOSAL CODE: S = LIGV LAB CODE: LPS / BY North Penn Rd. North Pe
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	Mudionite quality solution
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## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division

ERATOR: A  EPA ID NO.:  MANIFEST NO.: 1	North Penn Rd. eld, PA 19440 (215) 822-2678 (215) 997-1315 (4) 1) Thas/sqres /nc. (4) 1) Thas/sqres /nc. (4) 1) Thas/sqres /nc. (4) 1) Thas/sqres /nc. (5) Main St. (5) Main St. (5) MAT 076 YY (5) MAT 1823573-2-2 (8) CONTAINER: 520:1	DISPOSAL CODE: WORD LAB CODE: WS  D.O.T. PROPER SHIPPING NAME: Wasle Solow Provided the Solow Provided to the Solow Property Code: Dool Wina: 1504 Property Page OF Date Solow Property Page Date So
QUANTITY		DESCRIPTION OF MATERIAL
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TOTAL WEIGHT:

# REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440

Phone (215) 822-2576 Fax (215) 997-1315

MERATOR: NAPP TECHNOLOGIES INC

199 MAIN ST

NJD001 315282

NIFEST NO .:

DISPOSAL CODE: MC. OCR) LAB CODE: LP 5184

D.O.T. PROPER

SHIPPING NAME: W45

E.P.A. WASTE

TYPE CODE:

UANTITY		DESCRIPTION OF MAT	FRIAT.		
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# REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd.

Phor	ne (215) 822-2676	DISPOSAL CODE:LAB CODE:
	Vass Tarlingleges let.	D.O.T. PROPER SHIPPING NAME: Walle Policy Sold
	199 Was st.	
_	Lod 147 07644	HAZARD CLASS: 6
= = EPA ID NO.:	NJ. 2013/5282	HAZARD CLASS: 6 / E.P.A. WASTE PO24/ TYPE CODE: 06 UN/NA: 21/
MANIFEST NO.:	PAT 1822573-3-4	TYPE CODE: DIG UN/NA:
	CONTAINER:	PAGEOFDATE
QUANTITY	DESCRI	PTION OF MATERIAL
1_ts	31:60 and. 4	pozy
14#	.,	
2 4 /02	West the line 0165	
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· · · · · · · · · · · · · · · · · · ·		TOTAL WEIGHT: 2 生

# REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

A ID NO.:	Pack Division  forth Penn Rd.  fid, PA 19440  [215) 822-2678  [15) 997-1315  PA Main st.  [24] Main st.  [25] Main st.  [26] Main st.  [27] Main st.  [27] Main st.  [27] Main st.  [27] Main st.  [28] M	DISPOSAL CODE: 100 IAB CODE: LP 5/89  D.O.T. PROPER SHIPPING NAME: Wesle Firefore  HAZARD CLASS: 3  E.P.A. WASTE TYPE CODE: DODI, U125 UNINA: 1199 PG II  PAGE OF DATE 5/15/95
QUANTITY	, Di	ESCRIPTION OF MATERIAL
<u>'\2, )+</u>	Fultural	
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TOTAL WEIGHT: /#

# REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

Lab Pack Division 2337 North Penn Rd. Hatfield, PA 19440 Phone (215) 822-2676 Fax (215) 997-1315

Phone (215) 822-2676

Fax (215) 997-1315

UNERATOR: Nad Technologies Inc.

194 Main St.

L.J., NT 'G7644

EPA ID NO.: NJ 'G01315282

MANIFEST NO.: PAE 1822573-2-5

DISPOSAL CODE: PIC. A (V) LAB CODE: CP S

D.O.T. PROPER
SHIPPING NAME: W: 1 COX. d. 2: 1 COD!

HAZARD CLASS: S. /

E.P.A. WASTE CCZ CCT

TYPE CODE: DOO! UNDA: 3137 P

QUANTITY	DESCRIPTION OF MATERIAL
at #3	Dotassium Permangana Le Solution
1/3/1/	Les A Porchierate Solution
202	Polossime d'abremate solution
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14

TOTAL WEIGHT:

# REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

Lab F 2337 K Hatfle Phone Fax (2	Pack Division North Penn Rd.  North Penn Rd.	DISPOSAL CODE: DIC/) LAB CODE: LP5/20  D.O.T. PROPER SHIPPING NAME: Wasle Hidrogen Avanile  Aqueni: 2  HAZARD CLASS: 5.1  E.P.A. WASTE  TYPE CODE: UNNA: 2014 DG.  PAGE OF DATE 5/-5/95
QUANTITY	DES	CRIPTION OF MATERIAL
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1.20.1		,
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	NVIRONMENTAL		0//4902/3
• Lab	S OF PA., INC. Pack Division North Penn Rd.		
Hatfk Phone	eld, PA 19440 (215) 822-2676	DISPOSAL CODE: T.K.	LAB CODE: LPS
· ·	1900 Technologies lic.	D.O.T. PROPER SHIPPING NAME: 10 - 1	i)
C .ERATOR: △	79 Mais street	*	141111111111111111111111111111111111111
I	od: NJ .07644	HAZARD CLASS:S	
EPA ID NO.:	150 001313282	E.P.A. WASTE TYPE CODE: Description	TRIAL 993
	PAE1822713-D	THE CODE:	UN/NA: -975 F
DRUM NO.: 44	CONTAINER:	PAGE OF	_ DATE
QUANTITY		DESCRIPTION OF MATERIAL	
50ml	Chloro to medial	5 lane Merky Ehlaroform	ma Lure
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# PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P.O. Box 8550 Harrisburg. PA 17105-8550

R-WM-51 REV. 1/91	OFFIC	Harrisburg, P IAL PENNSYLV	A 17105-8550 NIA MANIFEST	FORM				ŧ.u	pires 9-30-04	•
UNIFORM HAZARDOU WASTE MANIFEST	S 1. Gene WJD 00	rator's US EPA ID I	10. 28212	Manifest Document No. 85773	2. Pag	is not	nation in t	by Fed	leral law	18
Generator's Name and Mailing				<u>, , , , , , , , , , , , , , , , , , , </u>	A. State	Manifest Do				
1	199 M	ein Street	+	•			444	ar.	1000	对这
7.1		UT 076	44		K SG	Golf In			6 1, 3	
4. Generator's Phone (20) 5. Transporter 1 Company Nat	<u>)733 - 390</u> 110		. US EPA ID Numb	)er	C 86%	Therefore	a) a	>>>\ >>>\	0.000	7
	PA)	IPADO	8569	0592	A PA	家院民		更快		
7. Transporter 2 Company Nat	<b>\</b>		. US EPA ID Numb			corter Pho		57.9	\$ 25.8	15
Republic Env. Sys. (7	19ns Group)	IPAD 9	SZGG O. US EPA ID Numi			AH			传播	
9. Designated Facility Name and S Republic Environment 2869 Sandstone	enful System	ns(PA)	0. 03 EFA 10 Nom			porter a cho		218	22×2	07C
2 869 Sandstone	e Drive	- A A A - 3			Q: State	Fácility á IO	(A) (A)	<b>然</b> 自然	1141	2740
Hattield, PA	19440	PADO	8569			fy's Phone	Z/578	22.	879	2.8
11. US DOT Description (Including	Proper Shipping Name, Haz	zard Class, and ID Nur	nber)	12. Cont	Type	13. Tota Quant		ia. Unit Wt∕Vol	W.L	Na
. RQ, waste Flam	nable Liquid	15,00.5.	, 3, UNIPP		1,7,5-	- Count	1		200	
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ERGI Waste Flam POII (DOOI, UO44)	1 1502 (012	9401)	2 .1./(90:	1001	m	001	36		80	
0001,0044	U112, V154, U	220, 0239	\\ 3, UNITY.	3	1			1	ROC	3/4
(chloro	form, Met	hanol)		001	DM	001	50	P	UO	14
e Waste Fur	fural, 3, 6	1N1199	PGIII						DOO	
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. Waste Flammak	le Liquids	,1.05.,3	EPPINU,						er ( )	1
1 PGII (DOO) YCHI	protrinethyl:			001	DF	000	101	P	10	<b>o</b> ii
Additional Descriptions for Mar Lab Pack Physical State	erials Listed Above	Company of the last	hysical State		K Han	lling Codes fr	W.	THE	More	3013
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40000000000000000000000000000000000000						S (016/		3.77	2.7	
15. Special Handling Instructions	and Additional Informat	1-//7				ney P				
116, 25		LPS	5184	(2	01)	733	- 39	100	)	
116.#41			•	_						-
110 #44										
16. GENERATOR'S CERTIFIC marked, and labeled and are in all re	ATION: I hereby declare t	hat the contents of this	consignment are fully	and accurately dead	ribed above	by proper ships	ing neme a	nd are c	inselfied, p	ecked.
marked, and labeled and are in all re	spects in proper condition for	transport by highway ac	cording to applicable in	nternational arid nati	onal governn	nent regulations.				
If I am a large quantity generator, I on have selected the practicable metho areal quantity generator, I have mad	ertify that I have a program in	place to reduce the vok	me and toxicity of was	te generaled to the	degree i heve	determined to	be economi th and the e	celly pre	cticable en	d that i
ameli quantity generator, I have mad	a good faith effort to minimiz	ze my waste generation		ste management me	wheel that is	evallable to me s				
A TAZOK	alsk:		Signature	1 male	لعلاة	4i		ONTH 5 S L		YEAR 95
17. Transporter 1 Acknowledgement of Recei	et of Meterials		Signature ,	1 // 3	77					
Mark Off			W.		X	•	12	55	/MY	YEAU 19·5
18. Transporter 2: Acknowledgement of Rece Printed/Typed Name	tot of Materials		Signature				· M	ЮИТН	DAY	YEA
Timoury poor runne							ı	1		
19. Discrepancy Indication Speci	)									
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20 Facility Owner or Occasion O	artification of consist of	haverdone materi	le covered by the	munificat ever	1 90 5040	in Herr 40				
20. Facility Owner or Operator: C Printed/Typed Name	erunceuon or recept of	HELENOUS METERN	Signature	Manufact CALS	. se inved	ar wan 12.			DAY	VEA
1							## # ·	ONTH		YEAI

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	"B	ACH HAZARDOUS WASTE ASSIGNED RQ" VALUE TO <b>NATIONAL RESPONSE</b> E <b>NTER</b>	a. RQ =	c. RQ =	EPA HOTI CDC POIS	LINE SON CENT	ER	= 800-424-9346 = 404-633-5313	1	
Į		800-424-8802	RQ =	RQ =	DOT		•.	= 202-366-4488	<u> </u>	
	P	Please print or type (Form designed for use	on elite (12-pitch) type				Form A	pproved OMB No	2050 0	039 Expire
į		UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	NJD 00	1315282	Docur	enifest ment No.	3 0 Z			the shac juired by Fi
		Lodini		s Inc.			M. St	ite Manifest Doo ニータフジ ate Generator's	57	
		(201)733-3900		25 445 524 42 44				ane_		
		24. Transporter Company Name		25. US EPA ID Numb	per			ate Transporter		<del> </del>
		26. Transporter Company Name		27. US EPA ID Numb	201			ensporter's Pho eta Transporter's		<del></del>
				i				nsporter's Pho		<del></del>
		28. US DOT Description (Including Prop	per Shipping Name, h	lazard Class, and ID I	Number)	29 Conta	_	30 Total Quantity	31 Unit WL'Vol	R. Waste f
		Waste Hydrochly UNIT89, POII (XO)		olution, 8		(201	Δ <del>/-</del>	1300/17	5	<i>D</i> 000
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		i.								1
		S. Additional Descriptions for Materials	Listed Above A L	tal On-			T. Ha	ndling Codes fo	Waste	s Listed A
			d. 5 (H.T)		CIE S		1	are s		
		28c. L(T) 23	se,L SC.S	289.5						
		32. Special Handling Instructions and A	Additional Information	T-117 LP5184	E	mey	only	Phine	-	
i		286. * 28 23c # 32	280 #33	20-41	(	201)	7	35-37	00	
	Ţ	200,	nt of Receipt of Mater	rials	<del></del>					Da
	24200	23. Transporter Acknowledgement Printed/Typed Name	Si ricceipi di matei	Signature						Month Da
{	0 - 6	34. Transporter Acknowledgement Printed/Typed Name	nt of Receipt of Mater	Signature						Da Month Da
	-	35. Discrepancy Indication Space								<u></u>
			•					87	7490	0277
	E DA	A Form 8700-224 (Rev. 9-88) Previous edi	tions are obsolete.							

E.A	ACH HAZARDOUS WASTE ASSIGNED IO" VALUE TO NATIONAL RESPONSE	a. RQ =	c. RQ =	EPA HOT			= 000-424-9346	1		_
	NTER 800-424-8802	6. RQ =	d. RQ =	DOT	SON CEN	IEM	= 404-633-5313 = 202-366-4488			
_	Please print or type (Form designed for us	1				Form	Approved OMB No	2050.0	V) 29 Ernins 9.30	.04
Ħ	UNIFORM HAZARDOUS		or's US EPA ID No.	Ma	anifest	<del></del>			the shaded	
)	WASTE MANIFEST (Continuation Sheet)	NJOOG	1315282	285	ment No	20	areas is		juired by Federa	ş l
	23. Generator's Name NAPP 7						ete Manifest Doc			
		NJ 0764	4 (201)	733-3	900	M. Si	tate Generator's	ID ,		
	24. Transporter Company Name		25. US EPA ID Nui	mber			ate Transporter's			
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	20. HansporterCompany Hame		1	noe:			ansporter's Pho		•	_
	28. US DOT Description (Including Pro	per Shipping Name	, Hazard Class, and II	Number)	29 Cont	_	30. Total Quantity	31 Unit WL/Vol	R. Waste No.	
	P. G. II (DOO! DOOZ F	∞3)	E N.O.S., 3, UN	_	001		00062	P	0002*	t
	D. WASTE SO DIUM PEROXIDE,	E A HALLSON	96 I		001	101	100002		1001	<u> </u>
	(0001)	•			001	DF	00001	P	D001	
	C. WASTE OXIDIZING SUBSTAI (DUDI) (BISMUTH NITERTE, CAIS			79 FG IL	001	DM	00053	P	Dool	
GENE	Our DOOS)	NCES SULLO, AL	05,51, UN147	, FG I	001		00001	P	0005	
RATOR	CINK PEROXIDE BARIOS E. WASTE OXIDIZING SUBSTAI (DUDI DUCT DOOR)	M PEROXIDE)	NO7,51, UN313	1					D001	
1	LEAD PERCHLORATE, P 1. WASTE HYDROGEN FERUXIE UN ZOIM, P.G. II (DUO)	e, Acueucs	(HRUNATE) SULUTIONS, 5.1		001	DF	00003	P	D001	
	9 RC WASTE CAUSTIC ALEA		105 8 MALTI		001	DF	00001	P	0001	
	(DOOZ DOCH) [MERCURIC TODIDE, SODI			· }	001	DF	00002	P	D009 2000	-0.
	n. WASTE FORMIC ACID, 8, (DOOR UIZS)	, UN 1774, P	G. II		001	DF	00001	ρ	U123	· .
	i. WASTE MITTEL ACID, 8, U	N7031, PG	16		ω,				2002	
				1	001	DF	00011	P	Dooz	j.
	S. Additional Descriptions for Materials a. L/I,C,T/# Foo3	· L/T.E/# DO	of ill	CKS	- :	T. Ha	ndling Codes for ALL ARE			
		· L/I · L/C.E · L/C,T					1		ę <del>.</del>	E.,
	32. Special Handling Instructions and A 28a. #34 29e. #1 25 b. #38 29f #1	vz 28	ion   *31			<del></del>	T-117 LP 5184	EME (201	186EMC1 PH	0 NE
		37	Maria							
Ţ	33. Transporter Acknowledgemen	nt of Receipt of Mar							Date	
4281	Printed/Typed Name		Signature						Month Day	Yes
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FAC	35. Discrepancy Indication Space						R	7740	90278	
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## UNDERLYING HAZARDOUS CONSTITUENTS TABLE

I ab Code:	Manifest No.	PAE 18285
•	For F001-F005, F039, D001, D002 & D012-D043 Waste Streams	

Please identify those constituents which are reasonably expected to be present in the waste referenced above. Theck if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

( <b>V</b> )	Constituents	(✔)	Constituents	(₹)	Constituents	(✔)	Constituents
	Acetana		Dibustic(a.e)pyrute		Heptachics eposids		Tomodiandhous-faras
	A comphishalum		1-2-Dibronotune (etylane dibronide)		Retachicrobusans		Totaliaredhum-p-doubt
	Acemphilan		Dibramametume		Hetschlerobutsdiene		1,1,1,2 Tetrodicreture
	Acetrostole		2-4-Dichlorophenoxynome soid		Hemchigrocyclopenndiene	-	1.1.2.2 Tetrachierostumos
	Acetopheticas		Diphenylamine		Hexachlerofiburgo-furnu		Totachiarostume (Tetachiarosti
	2-всетуватиловаючие		1.2-Dighwyl hydraxina		Bruchlerellberro-p-domin		2,3,4.6-Totrachicrophunck
	Acrylemetile		Dipheryl Nitrosumus		Hezachkrorthun		Temphene
	Aldrin		o.p-DDD		Hexachleropropens		1.2,4-Trichkersbermene
	Aldrin		p.p-DDD		Indexe(1.2.3.e.4)pyress		1,1,1-Trichlerostate
	Andine		o.p-DDB		lotemeticae		1,1,2-Trichlerostylens
	4-Ammoliphetyl		P.P-DDE		[sobanaci		Trickleroskylane
	Anthrocene		o.p-DDT		Isodein.		2,4,5-Tricklerophenol
	Aroder 1016		p.p-DDT		[somefroin		2.4.6-Trichlorophonel
	Aroder 1221		Dibenno(a.h)embracene		Kapcas		1,2,3-Trichloropropers
	Arodor 1232		o-Dichlorobenzens		Methocylogistis		1.1.2-Trichloro-1.2.2-triffnorostu
	Arocier 1242		m-Dichlarobanzan		Metapyniese		tris(2.3-Dibromopropyl) phosphe
	Aroclor 1248		p-Dichlorobenzens		Method		Visity chloride
	Aroder 1254		Dichlorodiftuorumetuma		Methoxychicz		Xylana(s)
	Areclar 1260		1,1-Dichlorostume		3-Metrychlolasticas		NORGANIC CONSTITUEN
	alphe-BHC		1,2-Dichlarostune		4.4 Metrylane bis (2 chlorosmiline)		Cymids (Total)
	ben-BHC		1.1-Dichlorostrylane		Multiplem chlorida		Pacopide
	purme-BHC		tum-1.2 Dichlerorbana (2-Dichlerorbylana)		Metal etal keene		3454
<i>[</i> _	3 <sub>cmm</sub>		2.4-Dichterophenel		Multipl isobatyl kotona		Azimony
` _	Bango(n)mittracens		2,6-Dichlorophonol		Mobil motorylas		Americ
-	Batago(b)@scattheres		1,2-Dichloropropuss		Melal setamellane	***************************************	Berinn
	Berno(k):Dayrenhene		cis-1,3 Dichkeropropens		Motost purchics		Beylina
	Benno(g.h.i)perylene		trans-1.3 Dichloroproposa		Nephdisians -		Codesium
	Велях(в)рухим		Dieldrin		2-Naphthylamine		Chromium (total)
	Branolichieranoliste		Dietyl phtulen		y-Niccondine		Copper
	Branofesta		2,4-Dimetryl phenol		Nitrobanas		ind
	Brancourtum (methyl branids)		Disselly! philades		5-Nitro-c-talvidina		Markey
	4-Bromophenyl phenyl other		Di-a-butyl ph@nlute		4-Nirophand		Nichel
	a-Dutyl slockel		1,4-Dinitrobanasas		N-Nitropodin Bylamina		Sderies.
	Buryi benzyi phthalate		4.6-Distiro-o-cresol		N-Nikorodinethylamine		Sever
	2-sec-Buryl-4,6-distrophenal		2.4-Distirophenol		N-Nireso-ë a-benjamire		Telian
	Carton direttide		2.4-Distilrotuleane		N-Nitswamethyletityumine		Vendom MONTHERATE
	Curbon tetrachiczide		2,6-Diastrotolome		N-Nitrosanospholina		TOLUENE
	Chlordate		Di-a-cetyl philips		N-Nitroranopiparidine		
	p-Chicrosoline		Di a-propylnitrorostum		N-Nitropystolidas		
	Calcrobanean		Direktoten		Pusition.		
	Chlorobonizione		Endowlfin I		Pandlerbann -		
	Chloroditromometum		Badorulfin. II		Protection disease for the second		
	Chloroshana		Badordfin subbu		Pundimikas y Color		
	2-Chloro-1,3-brandism		Endin .		Punchaujrobanna		
	tis-(2-chioroshoxy) Institute		Endrin abbahyds		Pendicephasi -		
	hip-(2-chicrostyl) other		Blight services		Photostin		
	Chiaroform		Edyl house		Parameter		
	च्च(2- <del>कोलचंक्ककुर)) क्ल</del>		Edgl symids	<u></u>	Phone 		
	p-Chian-m-armi		Stipt other		Phone:		
<i>-</i> · —	Calarameters (metayl chloride)		hio-(2-othythoxyt) phtheinte	-	Philadic Anhydride	.,	
( <del>-</del>	2-Chlorouphthalms		Bull methorylini		Promisio		
_	2-Chicophond		Etylen exis		Pyres		
	3-Chicropropote (3-Chicropropylate)		Famples		Pyrides -		
	Chrystan (		Florenthese		Subsite		
	e-Creat		Placene		Shra(24.5-17)		
	Creed (mikp somes)		Pacrocidicronotem		2457		877490279
	•		Harmantton		124 CTorollouborous		011430213

UNDERLYING HAZARDOUS C	CONSTITUENTS TABLE
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Page 4 of 6

•		
b Code:	M	<b>fanifest</b>
	For F001-F005, F039, D001, D002 & D012-D043 Waste Street	ADDS -

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

Check if none of the Underlying Hazardous Constituents (UHCa) are present in this waste.

Constituents	(1) Constituents	(√) Constituents	(√) Constituents
Acatom	Dihemio(a.e)pyrene	Reputhler sponids	Tetradigrell-mus-farm
Acanaghttalane	1-2-Dibranethme (ettylene dibranide)	Resuchicrobennum	Trindlandbase-p-finis
Acerephians	Disconcertions	Resadderobetadens	1.1.1.2 Tetroblerockers
Acrearis	2-4-Dichlarophenosyseetic said	Hazachkerorydopomówn	1.1.2.2 Tetrochieroristes
Acrophinans	Diphenylamine	Hemselleredhense-fram	Tetroblevelum (Tetrobleveluje
2-acetylaminofluorese	1.2-Diphoni hydraine	Residentiano 9 Comis	23.A.6-Totradicrophend
Acrylandrile	Diphenyl Nisvoumen	Hexachicros thats	Tomphan
Aldersa		· Henchkarepropers	1.2,4-Trickleychenane
Aldena	P+-DDD	indexe(1,2,3,e,4)pyreae	1.1.1-Trichlerostone
Ariline			I.I.2-Tricklerosteylan
4-Ammolephenyl	PP-DDB	Leobutetel	Trichlerorhylene
Anthrocens	op-DDT	leodrin	2.4.5-Tricklorophenel
Arocker 1016	P-DDT	località	2.4.f-Trichlerophenol
Arosier 1221	Diberent a Al meters on a	Espaini	1,2,3-Trichloropropose
Arosier 1232	o-Dichlorobergune	Motnerylenezile	1,1,2-Trichloro-1,2,2-triffmoro-thans
Arocker 1242	m. Dicklorobenens	Motopynimo	tis(2,3-Direntopropyl) phosphate
Arocker 1248	p-Dichlorobateme	Method	Vinly chloride
Arotler 1254	Dichlorodiffuorum,réame		Xylen(s)
Aroeler 1260	1,1-Dichloroethans	3-Metsychlolands and	INORGANIC CONSTITUENTS
alpha-BHC	1,2-Dichlerorbane	4.4 Metrylane his (2 chlorostime)	Cymider (Total)
ben-BHC	1,1-Dichlarortylene		Pareido
germa-BHC	trans-1,2 Dichlarostums (2-Dichlarostay	hans) Motors dept hanns	
) — berier	2,4-Dichlerophenel	Model isolnesi betate	- Animaly
Bargo(s)anthracens	2,6-Dichlorophand	Methyl Berthamylate	Amais
Benga(b)/Inventions	1.2-Dichloropropuse	Model medianelisate	Berina.
Berger (k) from with me	cis-L3 Diddicopropers	Motivit persision	3-cylina.
Beam(g.h.i)payian	tran-1,3 Dichloropropone	Naghitalore	Codminst
. Benge (a) pyrene	Dieldrin	2-Naphtylomine	Chronista (total)
Bromodichloromotisme	Diethyt phthabas	- P.Niromiliu	Copper
Bramofam	2.4-Disseleyl phonoi	Narchenante	Lod
Begmanstune (metgl. trunide)	Disselled philadete	S-Niero	Merway
4-Brunophanyi phanyi other	Di-n-butyi phthalms	4-Nitrophonal	Nichel .
a-Butyl alcohol	1,4-Dhinobeanne	N-Marco-distrylamins	Salarium.
Busyl bursyl philiplate	4,6-Dinitro-o-grand	N-Nitrandian-Rylamina	Street
2-per-Buryl-4.6-dimitrophenol	2.4-Dinitrophenal	N-Nieron-E. p. bulylamine	Thefficia
Cartes devicte	2.4-Dinitrotolpane	N-Historian dayle biyomine	Vanden
Carbon tetroliloxida	2,6-Dinorotelame	N-Necosephilis	TOLUENE
Okrán	Di-n-ortyl ph@late	N-Harmonipaidie	
	Di-a-grapythinescenses	N-Nitracepytrolisins	
Cigotana	Diedhea	Punkin	
Okenhanist	Resident L	Parkellenhouse	
Chicroditronometum	Principal II	Parisable - Cartes	
	Tederolfes, reliete	Pantaddarullhamo p-Aceim	
Cherotene		Panischlarungsbattette	
2-Chiev-L3-bandien	Eastin aldalysis	Population	
his-(2-abkroothery) mediane	Buyl contain	Phonesta	
tio-(2-chlorosttyl) other	Boyl basens	Paradita	
Characters	Bayl system	Phone	
his(2-chloroisogropyl) other	Bigst other	Page	
p-Chimom-musi	Lis-(2-otylburyl) philales	Padulis Anhydrida	
Chicromethate (methyl chicade)	But melouyine	Promise	
		Pyede	
2-Chlorophonol	Etylene eride		
3-Chleropropose (3-Chleropropylese)	Fangler	•	•
Chilam	Paradon	Sedrale	
~Crud	Fluorette	Silves(2A.S-TP)	<b>A  - - - - - - - - </b>
Creed (mkp somes)	Flacrotishkerometere	145T	877490280
Cyclohomone	Heptotiler	1.2.4.5-Transdicrobonsons	
	· ·	<del></del>	

Page <u>4</u> of <u>0</u>

## LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Napp Technologies	luc.	Generator EPA ID Number:	NJD	.001312282
Manifest Number: <u>PAE 1828573</u>				

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 C Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeep requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the L Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004

Approval/Lab Code	Manifest Line # (e.g., 11(0, 11(b))	W W	N W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs*	Classificati Group
	286.		×	1+5 6.40 1000	7	A
	ZRC.		X	DOOL Oxidizer	7	q
	28A.		λţ	DOOL OX fizer, DOCT Barine	2	A
	28 €.		×	Dool or dizer Doot chemin Dos Lead	7	4
	set.		X	DOOL Ox 9-20	2	Д
	289		X	DOCZ Corros ve DH 212 - DOOP WHEREIN	N.	Ą
	Z84.		X	UIZ3 Formic acid Dooz Cariosme Stez	2	A
WW waste	28:		×	2007 Curro ve 24162	V - Non-V	Δ

\* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

## Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance is specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermise dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possit of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that i are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

Classification Group D: "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Sul D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accound complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only w which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazar characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treat standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonm

I hereby certify that I believe that the information I submitted herein is true, accurate and complete Signature:  Title:	⊧. Date: ≦	5/15/95
		/ /

REPUBLIC ENVIRONMENTAL SYSTEMS

Page of 6

## LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name:	NADO	Technologies	Inc.	Generator EPA ID Number: <u>ルプリ</u>	·00/3/5287
Manifest Number	PAIT	828573			

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approvai/Lab Manifest W. Line # W. (e.g., 11(a), 11(a))	1 00	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs*	Classification Group
289	X	DOOZ Comerve DV 27	17	a
286	Y	DOOR Corrective OH 2/2.	Ċ,	A
286	20	VILA VIO benjena	2	0
28d.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	With Naguifelone. Pozy out in earlie	N.	A
	+			

W.W. - Wastewater

N.W.W. - Non-Wastewater

\* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

## Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group 1:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete	s. , , -
I hereby certify that I believe that the information I submitted herein is true, accurate and complete Signature:  Title:	Date: 5/15/95

## UNDERLYING HAZARDOUS CONSTITUENTS TABLE

L,	:ode:		
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Manifest No: 8 182857

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

<b>"</b> )	Constituents	(┫)	Constituents	(┫)	Constituents	(✔)	Constituents
	Acotome .		<b>Війчики в в рукин</b>		Especialist opomás		Tetrothusikan-funt
	Acamaphibalime		1-2-Dibrametum (egylens thromats)		Hemeliersbeterne		Trindlendian piess
	Acemphilate		Dilatononothips		Hendistinas		I.I.I.2 Trendinselve
	Acoptamie		2-4-Dichlerophonoxysome and		Hemohaveydopamahana		LL22 Totalianships
	Acrophinate		Diphenylaman		Hemetilerodibanes-farane		Tendiguetas (Tendimet
	2-acceptantanduceme		1.2-Diphonyl hydrome .		Henschlaredhum p dames		23.4.6-Tetradiospheric
	Acrylometrie		Diphanyt Nitronama		Bezochlerorten		Temphon
	Aldrea		ap-DDD		Rezadilarepropute		1,2,4-Tricklessberger
	Aldrea	•	p.p-DDD		Імінні і.2.3 с. бругом		1,1,1-Trichionetum
	Aralina		e.p-DDB		ledenotema		1.1.3-Trickinstaples
	4-Anuschaphanyt		p.p-DD1		Lectromed		Trickenstyles
	Anthrouse		e.p-DDT		Isokia		2.4.5-Tricklessphered
	Arocles 1016		p.p-DDT		Institute		2.4.4-Tridlenghand
	Arecler 1221		Diberro (a.k.) and anoma		Kepena		1.2.3-Tricklessperspers
	Arocler 1232		o-Dichlerobensene		Mallacrykowskie		
	Aroclor 1242		m-Dichlorobantate		Mathilipysisms		tor(23-Diferencycopyl) phosphol
	Arocier 1248		p-Dichlorobennes	1/	Metanci		Visity chiesia
			Dichloredifference		Mathemychian		Xylan(s)
	Aredor 1254		1.1-Dichlerostate		3-Metroleianten		NORGANIC CONTURE
	Arocier 1260		-		4.4 Motelius in (3 chieranius)		Cymidu (Total)
	alpha-BHC		1.2-Dichlorusham	<del></del>			
	ben-BEC		I.1-Dichlerouthylene				
	PARTIE BEC		trus-1.2 Dichlaroshma (2-Dichlaroshylana)		Made about house		
	) and		2.4-Dichlorophenal		Model industrial factors		America
	Bangari a jumiliya sama		2.6-Dichica-uph-med		Model metasylate		haim
	Beautic b) Decembers		1.2-Dichleropropose		Maryl material from		
	Benno(k)finormikete		cio-(.) Dichlarapropero		Modeyl purchists		
	Bennightipsyles		_ tm-L3 Didlempoper		Naphibalone		_ Calarina
	Вешкі(е)руган		Dielēris.		2-Haphilaplanus		Create (ma)
	Branchickerspecience		Direkşi şêrîkalera	·	<del>p-16a-vanilies</del>		Cupe
	Brancisco.		2.4-Dimetoji photol		Michael	<del></del>	
	Bronsertore (pethyl bronsis)		Directly/s philindess		S-Nice-entriffe	-	Money
	- +Bransplassyl phospi other		Di-n-lunyt philindete		4-Min-sphered		Nidel
	n-Batyl alouhol		1,4-Dinimbourne		N-Historia de Heliconia de La Companya de La Compan		Sderigg ion
			4.6-Dinigro-o-grand		N-Hitroreline by terrate		\$***
	2-per-Burji-A.S-dimirophenal		2.4-Distrophend		N-Nicoso-di-n-belylamine		The State of
	Carton devillés		2.4-Distinutohama		N-Nitrogenschaftschaften		- Vandan
	Carten trendicide		2,6-Dinetrotelpana		H-Mayurana phobias		TOLUENE
					N-Miranasppaniin		
	Climatio		Di-a-grupylastrosostatio		N-Nigrospyerskille		
	<b>-</b>		Directions.		Pendin		
	Cherhann		Ententha I		Paradianharan		
	Checkenish -		_ intentio ii		Paradigadhan Aras		
	Charolitemenotate -				Pendiguiben - Gene		
	Character	·	Endoration ration		- Pamahiranan-kanan		
	:-Cliav-13-handras				- Pandingted		
	bu-(2-chicrorhoxy) methodo		Endrin aldehydo		• ·		
	_ tu-(3-chierorityi) ether		Pilipi postate		Phonostern Phonosterno		
	_ Chierofeen	-	Edyl bassas				
	test 2-abbressepropyt) other		Etyl cynnis		- Photol		
	p-Oder-m-stand		Bhyl other		Phones		
	Chicaritan (artist disale)		ha-(2-stythanyt) philadese		Pathalis Antorina		
_			Edgit methorylete		- Pronounció		
_			Etrylatu emás		Ругия .		
_	3-Chloropropose (1-Chloropropylane)		Foreging		Pytidina		
			— <u> </u>		Saltrala		
	Chrystan		- Provention		SPHILE LAND		-
	e-Creek		Phoreso		2457		
	Cruel (máy somet)		Phonesischiorumethate		_ LLASTandinham	Q7	7490283
			Haptenblat		1 7 4 5 7	~ /	,

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Page \_1\_ of 6

## LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Na, Technologies	Inc.	Generator EPA ID Number: ルゴン	001315282
Manifest Number PA= 1828573			

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (0.5., 11(0), 11(0))	<b></b>	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs*	Classification Group
	119.	,	X	Door High TOC lonitable Ciquids	REAL MARKET	A
	1/4.			FOOZ solvents DOZZ Chloroform	γ	A
	116.	χ.		DOOI HIGH TOO IGHT LEVE LIGHTS , NOYY CHIOTOFULL	2	A
	116.		X	1112 Eth / Acelate U154 Methand, UZZO Tolsone xxiene	7	A
	11.6.			DOOI HIGH TOC CONTAGE Lievids VIZE Ear Fund	2	Д
	116.	,	<	DOOL High TOC ignitude Liquids	2	A
	28a.		X	DOO! High Too for Lelle Lisuids DOUZ Corrosine 6442	N	A
	Z8a.		Y	FOO3 Solvents	Y	A
W.W Waste	water			N.W.Y	V Non-W	astewater

The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

## Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B: "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am sware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

Classification Group D: "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group 1:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that   believe that the information I submitted herein is true, accurate and complete.  Signature: Title:	Date: 5/15/95

# PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P.O. Box 8550 Harristorg, PA 19 05-8550

Form approv OMB No. 20

_	EH		ANIA MANIFEST FOR	RM				Expires 9-	30				
ſ	1	UNIFORM HAZARDOUS  1. Generator's US EPA ID  WASTE MANIFEST  N. J. D. O. J. J. J. E. O.	Do 00	Anifest current No. 4444	2. Page of	required	by Federal	e blue border lew but may b					
	, ,	Generator's Name and Mailing Address		required by State law.									
	`. 1 1	199 MAIN STREET P O BOX 900	NAPP CHEMICALS INC										
-		LODI NJ 07644			PAE 4138444  8. State Gen. ID SAME								
١		5. Transporter 1 Company Name	6. US EPA ID Number		C. State Trans. ID								
		1		PA-AH									
		REPUBLIC ENV. SYS. (PA) P. A.D. 7. Transporter 2 Company Name	D. Transporter's Phone ( 23)F 202										
		PEPUBLIC ENV. SYS (TRANS GROUP) P.A.D.	E. State Trans. ID 215 822-8										
343	П	9. Designated Facility Name and Site Address	10. US EPA ID Number	0 1	<u> PA-AH                                  </u>								
87-7	П	REPUBLIC ENV SYS (PA), INC.				sporter's Phone (	- 215	822-2	6				
7	Ш	2869 SANDSTONE DRIVE	0056005			Facility*s ID	4		-				
	П	HATFIELD PA 19440	<del>. 8 5 6 9 0 5</del>	12. Conta		13.	215 82 	كحدوم المنا	-				
띩	Ш	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number	er) 	No.	Туре	Total Quantity	W						
and the PA DER (717) 787-4343	П	RQ WASTE ALDEHYDES, N.O.S.,3,UN1989,PG	II,				i						
ᆲ	$\ $	(CINNAMIC ALDEHYDE ),(DOO1)		XX1		VXX	35						
and	G	b. RQ WASTE POTASSIUM HYDROXIDE, SOLUTION,	9 IN1914 DC T	1	Omy	/\\\\.		el -b -o	<b>L</b>				
8	EN	(D002)	D,UN1814,PG 1.		30								
41	E	10002		XXI	0 19	XXXX	0	مماء	<b>_</b>				
3	R A	" RQ WASTE SODIUM HYDROXIDE, SOLUTION, 8, U	N1824,PG II,	1			ļ						
8	O	(D002)		XXZ	OF	YX X 6	00						
ā	R	* RQ WASTE FLAMMABLE LIQUID NOS. 3, C	101992 A C TT	1 2	- <del>0-1</del> 1	<u> </u>		el b o	_				
3		(DIETHYLAMINE 0-99%)						.					
S	, ,	Triethylamine 0-990%	(D001)	XXI	DM	<u>XX X 3</u>	0	200	21				
01					IK Handli	he Codes for Was	tes Listed /	(bove	•				
esbo		.'Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack	Physical State						`				
nal Respo	1	Lab Pack Physical State Lab Pack				•			`				
ational Respo		Lab Pack Physical State Lab Pack	WD382		<u>* so</u>	•	e. <u>5</u>	<del>:01</del>	_				
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all the National Respo		Lab Pack Physical State Lab Pack aED38272 c	WD382	8/80	<u>* 50</u>	1	a 5	01	- -				
ely call the National Respo		Lab Pack Physical State Lab Pack  a	WD382	8/80	<u>* 50</u>	1	a 5	01	- -				
diately call the National Respo		Lab Pack Physical State Lab Pack  a	WD382	8/80	<u>* 50</u>	1	a 5	01	- -				
nmediately call the National Respo		Lab Pack Physical State Lab Pack  a	WD382	8/80	<u>* 50</u>	1	a 5	01	- - -				
oill immediately call the National Respo		Lab Pack Physical State Lab Pack  a	WD382	8/80	<u>* 50</u>	1	a 5	01	- - -				
or spill immediately call the National Respo		Lab Pack Physical State Lab Pack a	L_ WD382;	8/80 EM	SO SO ERGEN	ICY PHONE	201	773					
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## PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

# Bureau of Waste Management P.O. Box 8850 Harrisbarg, PA 19105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved. OMB No. 2050-0039

	WM-51 REV. 10/94 OFFICIAL PENNS 1 L V						EXDINS A-30-	<del>20</del>					
Ú	UNIFORM HAZARDOUS  WASTE MANIFEST  N.J.D. 0. 0. 1: 3: 1. 5. 2	72 E	enifest current No. . 4. 4. 4	2. Page of	required t	on within the b by Federal law by State law.		not					
	Generator's Name and Malling Address NAPP CHEMICALS		A State Manifest Document Number PAE 4138444										
	LODI NJ 07644	199 MAIN STREET P O BOX 900 LODI NJ 07644											
	201 773~3900 5.Tranaporter 1 Company Name	6. US EPA ID Number		C 61-4	SAN								
	1	856905			A-AH								
	PEPURITO FINAL SYS (PA): PAD ( 7. Transporter 2 Company Name	92		aporter's Phone (	<del>-20-6</del>	2 0 p							
	REPUBLIC ENV SYS (TRANS GROUP) P A D S	826613	9 1	E. State	Trans. ID	215	322-899	<b>5</b> —					
	9. Designated Facility Name and Site Address	<del>•</del>	P	4-AH	031	7							
	REPUBLIC ENV SYS (PA), INC.		F. Tran	sporter's Phone (	215	322-267	26						
	2869 SANDSTONE DRIVE			G. Stat	Facility's ID								
	HATFIFLD PA 19440 PAD C	856905		H. Fecility's Phone ( 21 & 822 8995									
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number	7)	No.	Туре	13. Total Quantity	Unit Wt/Vol	Waste )	ło.					
	RQ WASTE ALDEHYDES, N.O.S.,3,UN1989,PG 1	Ί,				[							
	(CINNAMIC ALDEHYDE ),(D001)		XXI	D M	XXX3	35 g							
	RQ WASTE POTASSIUM HYDROXIDE, SOLUTION, 8	,UN1814,PG II	,	One	1	J		_					
	(D002)		XXI	DF	$\chi \chi \chi \chi 3$	0 6	200	٦_?_					
	" RQ WASTE SODIUM HYDROXIDE, SOLUTION, 8, UN	11824,PG II,											
	(D002)		XX 2	OF	1X X 6	0							
	& RQ WASTE FLAMMABLE LIQUID NOS. 3, U	A1992 A	11 -	<del>-D-14</del>	<u> </u>	<u> </u>	000	12					
<b>_</b> }	(DIETHYLAMINE 0-99%)	MILIO META											
	TVIETHYLAMINE 0.990%)	(0001)	XXI	DM	XX X 3	0 4	000	2/					
	. Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack	Physical State		K. Handli	ng Codes for Wast	es Listed Abo	70						
	Lab Pack Physical State	Physical State				}							
	FD38272	W03827	4	<u>* sc</u>	11	e 50	<b>!</b>						
	№	LIED 3	8180	b. SC	11	a 50	,/						
	15. Special Handling Instructions and Additional Information				_	2017	73.3	90					
			EM	ERGEN	ICY PHONE								
	•												
					<del></del>								
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of classified, packed, marked and labeled and are in all respects in proper condition to M I am a large quantity generator, I certify that I have a program in place to repracticable and that I have selected the practicable method of treatment, storage, of the environment; OR, if I am a small quantity generator, I have made a good faith a	this consignment are fully r transport by highway acco	and accurately ording to applica	described	above by proper a strong and nations	n government hipping name	and are regulations.						
	r : am a large quarray generally, i certify that I have a program in place to re practicable and that I have a selected the practicable method of treatment, storage, o	r disposal currently availab	any or waste ga	minimize	o the degree I have the present and t	e determined uture threat to	to be econor human heal	mically ith and					
	to me and that I can alrord.		7	7	Cont waste mare								
	Printed/Typed Name	Signature	مالم	(	•	MONTH IV	۵۸۷ ۱ کے ۱۹	YEAR Si /~					
	17. Transporter 1 Actnowledgement of Receipt of Materials	1 /K	in	<u> </u>	<u> </u>	N3	иэг	<u> </u>					
	Printed/Typed Name	Signature				MONTH	DAY	YEAR					
	18. Transporter 2. Acknowledgement of Recept of Metertals	parin	The state of the			<u> </u>	1/51						
	Printed/Typed Name	Signature			<del></del>	MONTH	DAY	YEAR					
							<u> </u>						
	19. Discrepancy Indication Space												
J													
	ab. Facility owner or Operator: Certification of receipt of hazardous materials covered by	this manifest except as not	ed in item 19.		·								
	Printed/Typed Name	Signature				MONTH	DAY	YEAR					
						1	1 - I_						
	form \$700-22 (Rev. 9/85) Previous editions are elected						_						

Copy 4 - Generator: Mail to Generator State



# PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P.O. Box 8550 Harrisbarg, PA 17105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

→ 11	3m-13048253						<del></del>								<del></del>			
19. Discrepancy Indication Space	PrintedTyped Manne  () ( Q P) M OY ( Y  () Transports 1 Administration of Noors of Sentents  PrintedTyped Manne	PrintedTyped Name	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of classified, packed, marked and labeled and are in all respects in proper condition it if I am a large quantity generator, I certify that I have a program in place to in practicable and that I have selected the practicable method of treatment, storage, the emiscontent; OR, If I am a small quantity generator, I have made a good faith to me and that I can afford.	15. Special Handling Instructions and Additional Information	e млзвгтз e	a.	16/6 (1801) 11-2. 3,	- PO WASH SCHOTM HERMONING, SOLUTION, ALTH- - LEONS	POLISSTUM HYDROXIEE.	ELBERYES, HOUSE, 3,0 CAJERTO, GROD	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number	AAO PAP		ABOTO FINA SYS. (TRAPS GROWN) PAR	PEPUEL 10 ENV. SYS. (Pd) P A fo	1.001 MJ 07644 201 775	S NOTHED GRAM	WASTE MANIFEST N J P (1 1) 1 3 1 5 2
	Signature Signature	Signatury	this consignment are fully and accurately or transport by highway according to explica solute the volume and bookity of wester go or disposal currently available to me which effort to minimize my wester generation and	EN.	1-160 33140	Physical State  MD36274	X X /	91824,FG 11,	XX/	11.		8569059						8 2 3 S 4 4 4
		i.	eached above by the international ar- erated to the degrated to the president within the best was		\$01	(G)	om XX )	CAT XX	XX	<u>\$</u>	8	State Facility Facility's Ph	F. Transporter's P	E State Trans. 10	PA-AH	State Gen. ID	A State Manifest I	2. Page 1
			Artae	EL1102 ME		[ ]	x30 6 001	× 60 c = 1	XV 0 = = = = = = = = = = = = = = = = = =	77	Unit Wi	િ 215 કરણ પ્રમુખ	one ( 215 8	C 2	\$ 0 \$		Document Number A A A A	ntormation within the blue border   equired by Federal law but may be equired by State law.
	19. Discrepancy Indication Space	Trinsed/Typed Name    Can moyer   Xatopholymen of Rocks of Minister    Xatopholymen o	TrinedTyped Name    Lift Z	SENERATOR'S CERTIFICATION: Thereby declare that the contents of this consignment are fully and accurately described above by assisted, packed, marked and labeled and are in all inspects in proper concition for transportly highway according to applicable intermetions are an all inspects in proper to reduce the volume and body of weeks generated to the degree and their particular transports or the volume and to the proper and assist the present and that can afford.  In and that it can afford.  In an a small quantity generator, I have made a good faith effort to minimize my wests generation and extent the best was transported Name.  Signature  Signature  Signature  Signature  Signature  Signature  Signature  Signature  Signature  Signature	EMERATOR'S CERTIFICATION: I hereby doctare that the contents of this consignment are fully and accurately described above by assisted, pected, marked and lebeled and are in all respects in proper condition for transport by highway according to applicable international and at large quantity generator, I certify that I have a program in piece to reduce the volume and toxicity of weake generated to the described above by transport by highway according to applicable international and a simple quantity generator, I have made a good faith effort to minimize my weake generation and select the best was transported. I have referred to the degree of the content and the content and select the best was referred. I have referred to the content and the c	ENERATOR'S CERTIFICATION: Thereby declare that the contents of this consignment are fully and accurately described above by sealed, pecked, marked and labeled and are in all respects in proper condition for francisco marked and labeled and are in all respects in proper condition for francisco the volume and table of that I have selected the practicable method of treatment, strongly or disposal currently unablable to me which minimizes the preserve intendiffugued Manne in a small quantity generator, I have made a good faith ellow to make the preserve intendiffugued Manne in the proper condition. There made a good faith ellow to minimize my weaks generation and select the best were intendiffugued Manne in the proper condition. There made a good faith ellow to minimize my weaks generation and select the best were intendiffugued Manne.  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PO WASTE PRIDOSSIER HYTESYTEE, SELECTIVELS, RELIGIONS	CHAPTER IT PA 1940   Pages Shipping Lane, Named Claim, and D Nombers   Constitution   Pages Shipping Lane, Named Claim, and D Nombers   Constitution   Pages Shipping Lane, Named Claim, and D Nombers   Constitution   Pages Shipping Lane, Named Claim, and D Nombers   Constitution   Pages Shipping Lane, Named Claim, and D Nombers   Constitution   Pages Shipping Lane, Named Claim, and D Nombers	REPUBLIC TWO SYS (PA), THE 2869 SAMPSTORE RETTE HISTORIAN TO THE CONTROL OF THE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL OF THE PARTY TO A CONTROL TO DESCRIPTION (INCIDENCE PARTY TO A CONTROL OF THE PARTY TO A	EPHRICE FRA CYS. (TRAFE GAVET) P. A. D. Q. R. 2. 6. 6. 1. 3. R. L. DANDONAUS (PHELLE CHINE) Kinns and Sha Address.  EPHRICE FRA CYS. (FA), JHE.  RES SAMESTIME (FETA)  FOR DATE PRODUCE (FETA)  FOR	Company   Comp	CASH   ALL   DOTAL	Companies have not belong defense.   PAPE (ARTHON S   IR)



## LAND DISPOSAL RESTRICTION MOTIFICATION CERTIFICATION FORM

)	Generator Name: NAPP CHEMICALS INC PAE 4138444  Manifest Number:						Generator EPA ID Number: NJD001315282						
	The purpo Part 268, requireme	ose of this to the trea nts specifi	form is to provi trment, storage of ied in 40 CFR 2	ide appropriate notification/cetor disposal facility which rece 268.7, I have indicated below standards found in 40 CFR 26	ives the wastes the relevant inf	referenced ormation re	below equire	. In accorda d to proper	nce s	with the wa	iste analys vaste(s) in	is and recordkeepi compliance with t	ng he
Appr	oval/Lab	Code:	ED38272	Waste Water: N	Non Waste	Water:	Y	UHC's:	Y	Class	Group:	A	
нісн	e Codes: TOC 16N HC'S IN	ITABLE	CHARACTER	Sub Categories: ISTIC LIQUIDS Constituent(s):								·	
Appr	ova1/Lab	Code:	WD38273	Waste Water: N	Non Waste	Water:	Y	UHC's:	Y	Class	Group:	A	
CORR	e Codes: OSIVE CH HC'S IN	IARACTE	RISTIC WAS	Sub Categories: TES, CWA, CWA-EQUIV Constituent(s):	ALENT, OR (	CLASS I	SDW	IA SYSTEI	MS				

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$\sim$	ENVIRONMENTAL
	ELAALIZOLAINIE ATVIE
	·- EYSTEMS
	*" '21 \1 CIVI\

Pageo	KETUBLIC NVIRONMENTAL
ÉTION ÉDTIFICATION CERTIFICATION FORM	SYSTEMS LAND DISPOSAL RESTRICTION
Generator EPA ID Number: NJD001315282	Generator Name: NAPP CHEMICALS INC PAE4138444
	Manifest Number:
on/certification, in accordance with the Land Disposal Restriction regulations set forth in receives the wastes referenced below. In accordance with the waste analysis and recordelow the relevant information required to properly manage my waste(s) in compliance FR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section	Part 268, to the treatment, storage or disposal facility which receive requirements specified in 40 CFR 268.7, I have indicated below the
N Non Waste Water: Y UHC's: Y Class Group: A	val/Lab Code: WD38274 Waste Water: N :
	Codes: D002
RUIVALENT, OR CLASS I SDWA SYSTEMS	Sub Categories: SIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVAL Constituent(s):
	C'S IN WASTE
38180 non wastenater UHC Y CLA	APProval/LABCODE FD 381
non wastenater UHC Y CLA	horecape Dool
e Liavin High roc's	UB Categorie I quit Asie Li Diethylam Trietylam
Am 119 0-99%	DIETHYLAM.
Amint 6-990/6	tr, e z v y i d m
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	·

See back for descriptions of classification groups and classification group certification statement.		_
I hereby certify that I believe that the information I submitted herein is true, accurate and complete.	5-15-95	(
Signature: Title: Date	3 () ()	_ `



	Bureau of Was P.O. Bo Harristang, P	ox 8≸50				•	Form approved. OMB No. 2050-0039
7-WM-51 REV. 10/94	OFFICIAL PENNSYLV	NIA MANIFEST FOR	RM Hentfest		<del> </del>		Expires 9-30-96
	1. Genérator's US EPA ID N	17 %	current No.	2. Page of	required by	Federal law State law.	iue border is not but may be
	APP CHEMICALS	INC		A. State	DAE A	138	330
199 MAIN STREET P 0 BOX 9 LODI NJ 07644				B. State	Gen. ID SAM		000
5. Transporter 1 Company Name	3900	6, US EPA ID Number		C. State	Trans. ID		<del></del>
REPUBLIC ENV. SYS. (PA)	LPADO	1856905	9.2		A-AH	506	209
7. Transporter 2 Company Name		a. US EPA ID Number			sporter's Phone (	215	822-8995
REPUBLIC ENV SYS (TRANS G 9. Designated Facility Name and Site Address	ROUP) L P A D 9	9 8 2 6 6 1 3 10. US EPA ID Number	81		A-AH	031	7
REPUBLIC ENV SYS (PA), IN	c.			F. Trans	porter's Phone (	215	822-2676
2869 SANDSTONE DRIVE	b		_		Facility's ID		
HATFIELD PA 19440	L P A D C	1856905	9 2 12 Conta		ty's Phone ( 2	15 822.	-899 <u>5                                   </u>
11. US DOT Description (Including Proper Shipping Name	, Hazard Class, and ID Numbe	יו	No.	Туре	Total Quantity	Unit WWol	Waste No.
RQ WASTE CORROSIVE LIQUID	S, N.O.S.,8,UNI	760,PG II,	-	15			
(NITRIC ACID ), (DOO2)			XXX	D M	XXXX	X .	0002
b. RQ WASTE SODIUM HYDROSULF	ITE,4.2,UN1384,	PG II,(D003)					
			XXX	T-N	XXXX	$X _{p}$	0003
RQ WASTE CAUSTIC ALKALI L	IQUID, N.O.S., 8	3,UN1719,		NO.			1
PG III, (SODIUM HYDROXIDE	),(D002)		XX2	OF	VX/I		
- NON DOT/BCDA HAZ I TOUTD N	OT DOT DECLE ATE		1 / 2	25.7	V.11	3	0002
NON DOT/RCRA HAZ LIQUID,N	DI DOI REGULATE	ענ	1.10	OF			
·	•		XX8	DM	XXI	29 6	N/A
J. Additional Descriptions for Materials Listed Above Lab Pack Physical State	Lab Pack	Physical State	-	K. Handli	ng Codes for Waste	s Listed Abo	ve
a L AD38226	e [_]	L11 10382	36	- 50	,	s. SO	•
	. 1 1	1 I		30			<del></del>
b. AD38232  15. Special Handling instructions and Additional informations.		MD381.	79	b. 50	1	d. SD	1
15. Special Handling Instructions and Additional Information			FM	FRGEN	CY PHONE	017	73.3900
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16. GENERATOR'S CERTIFICATION: I here	by declare that the contents of	this consignment are fully	and accurately	described	above by proper at	alpping name	and are
classified, packed, marked and labeled and are in all if I am a large quantity generator, I certify that I practicable and that I have selected the practicable in	have a program in place to re ethod of treatment, storage, o	duce the volume and toxi	icity of waste or ble to me which	enerated to	the degree i have	determined	to be economically burners health an
the environment; OR, if I am a small quantity general to me and that I can afford.	or, I have made a good faith (	fort to minimize my wast	generation an	d select th	e best waste mana	gement met	nod that is availabl
Printed/Typed Name		Signature /	1/2	1.11	,	HONTH	DAY YEAR
17. Transporter 1 Actinopringement of Receipt of Meterials		0 10	<u> </u>	R.	4	1X-2	11 519 5
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19. Discrepancy Indication Space							- ا
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20. Facility owner or Operator: Certification of receipt of ha	zardous materials covered by		ted in Nem 19,			A APPA PET	DAY YEAR
Printed/Typed Name		Signature				MONTH	DAY YEAR

s Form \$700-22 (Rev. 9/88) Previous editions are ebeciste

## ER-WM-51 REV. 10/94

# PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P.O. Box \$50 Harrisyorg, PA 77105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

**Form арр**п OMB No. 2 Expires 9-:

	UNIFORM HAZARDOUS  VASTE MANIFEST  N J D 0 0 1 3 1 5 2 8 2	Menifest No.	2. Page 1 of	information within required by Federa required by State I	al law but may b
	'. Generator's Name and Mailing Address NAPP CHEMICALS INC	A. State Man	Mest Document Number		
lì	199 MAIN STREET P O BOX 900 LODI NJ 07644		B. State Gen		8330
11	201 773-3900			SAME	
		PA ID Number	C. State Trad	ALI	
	REPUBLIC ENV. SYS. (PA)	6 9 0:5:9 2 ·	PA-/		6 2 0
		661381	E. State Tran	ns. ID	15 <u>822-8</u> 1
		EPA ID Number	PA-/		17
	REPUBLIC ENV SYS (PA), INC. 2869 SANDSTONE DRIVE		F. Transport G. State Fac	<u></u>	5 822-2
1	1	690592	H. Facility's		322-8995
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Cont	siners	Total	14, L Unit Wast
	RQ WASTE CORROSIVE LIQUIDS, N.O.S.,8,UN1760,	PG TT	Type	Quantity W	/t/Vol
	(NITRIC ACID ), (D002)	" VÝV	'  v	VVVV	
2		<u> </u>	DMV	$\langle \nabla \nabla \nabla X \rangle$	PDO
GEN	P. RQ WASTE SODIUM HYDROSULFITE, 4.2, UN1384, PG I	I, (D003)			
NE		XXX	anx	(XXXX)	PDO
R	- RQ WASTE CAUSTIC ALKALI LIQUID, N.O.S.,8,UN1	719,		,	
	PG III,(SODIUM HYDROXIDE ),(DOO2)	XX2	DA X	XIIO	6 0 0
R	4 NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED		12mg		<u> </u>
		X × 8	OF	XXIDA	
21 ' 1	I. Additional Descriptions for Materials Listed Above	<u> </u>	K. Handling C	odes for Wastes Listed	G N /
톍.	Lab Pack Physical State Lab Pack Physi	ical State		ı	Ì
5	• L AD38226	W038236	<u>so1</u>	с.	S01
	▶	WD38179	b. S01	d	S01
	15. Special Handling Instructions and Additional Information			PHONE 201	773.3
		E	TERGENCY	PHONE	
			·	•	
5	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this con	signment are fully and accurately	described abo	ve by proper shipping	name and are
2	classified, packed, marked and labeled and are in all respects in proper condition for transport if I am a large quantity generator, I certify that I have a program in place to reduce the practicable and that I have selected the practicable method of treatment, storage, or dispose	BI CULLALITA SASINSTONE TO LUE MUNICI	n minimizes ine	Present and lucure un	AND LICENSES IN
	the environment; OR, if I am a small quantity generator, I have made a good faith effort to to to me and that I can afford.	minimize my waste generation ar	nd select the be	st waste management	method that is
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RAN	Printed/Typed Name Signal Sign	Than may	<b>'</b>	ıẌ	51151
- 6	18. Transporter 2. Acknowledgement of Receipt of Misertains			<u></u>	ONTH DAY
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	19. Discrepancy Indication Space		<del></del>	<u> </u>	<del></del>
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r		Mand arrest on passable than an			(
÷	Facility owner or Operator: Certification of receipt of hazardous meterials covered by this man     Printed/Typed Name     Signal			М	ONTH DAY
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DFTR 8700-22 (Rev. 9/86) Provious editions are obsolete

# PENNS ILVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P.O. Box 650 Harrisburg, PA 17105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved. OMB No. 2050-0039 Expires 9-30-96

UNIFORM H	HAZARDOUS	1. Gen	erator's US EPA ID I		3 Socument No.	2. Page 1 of	required by	Federal law State law.	but may be	
· - · · ·	Generator's Name and Mailing Address RAPP CHEMICALS INC. 199 MAIN STREET P.O. FROX 5003						PAE 4	138	330	
	LCD1 NJ 07644									
	201	773~3900		<del></del>		1				
5. Transporter 1 Co	mpany Name J. ENV. SYS	(DA)	Lean	6. US EPA ID N	umber (10592	C. State	A 1 1	S 0 6	201	F.
7. Transporter 2 Co		(4).7	1 7 7 0	8. US EPA ID No			porter's Phone (		822 8°	
•	• -	TRANS GROUP	PAD	98266	51381	E. State	<u> </u>	<u> </u>	(15.2. ()	
9. Designated Facility	y Name and Site Addre	188		10. US EPA ID N		1 PA	\-AH	0 3 1	7	
	ENV SYS H	•				F. Transp	porter's Phone (	:115	822 20	576.
	ROSTONE, DELT	A	1 2 60 40 60			G. State	Facility's ID			
UAR HAL	1 PA 1944()		1 FAD	08565	9 0 5 9 2 12 Cont			B 327	- 829%	
11. US DOT Descript	tion (Including Proper	Shipping Name, Hazard	Class, and ID Numbe	nr)	ł	1	13. Total	14. Unit Wt/Yol	Wast	No.
* PO WASTE	COMPOSIVE	Clounes, N.	0 5. , 8 , UK	1760,FG-1	No.	Туре	Quantity	WVVOI	<del> </del>	
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					X × 3	MII	XXII	9 6	14 /	4
Additional Descrip	tions for Materials List Physical State	ed Above	Lab Pack	Physical State		K. Handiin	g Codes for Wastes	Listed Abov	<b>70</b>	
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<b>b.</b>	ina la l	3823.1	a	lı, lu	D38179	<b>S</b> 03		50	1	
	Instructions and Additi									
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							<i>:</i> *			
16. GENERATO	R'S CERTIFICATION	ON: I hereby declare	that the contents o	this consignment	t are fully and accurately	described s	above by proper ship	ping name	and are	
classmed, packed	d, marked and labeled be quantity generator,	and are in all respects in I certify that I have a propracticable method of the	ogram in place to n	r transport by riight aduce the volume	and toxicity of waste g	enerated to	the degree I have o	overnment stermined	to be econ	omically
the environment;	OR, if I am a small ou	antity generator, I have	made a good faith	effort to minimize	my waste generation a	rd select the	best waste manage	ment meth	od that is a	evellable
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17. Transporter 1. Acting Printed/Typed				Signature)				MONTH	DAY	YEAR
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18. Transporter 2 Actino Printed/Typed	wiedgement of Receipt of M Name	meriole		Signature				MONTH	DAY	YEAR
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19. Discrepancy Indic	ation Space									
<i>]</i>										
Facility owner or C		f receipt of hazardous n	sterials covered by	this menifest exce	ept as noted in Item 19.			MONTH	DAY	YEAR
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### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS	Generator EPA ID Number: NJD001315282
PAE4138330 Manifest Number:	

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CF Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeepin requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with ti Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(c

11a Approval/Lab Code: AD38226

Waste Water: N Non Waste Water: Y

UHC's: Y

Class Group: A

Waste Codes: D002

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

11b Approval/Lab Code: AD38232

Waste Water: N Non Waste Water: Y

UHC's: Y

Class Group: A

Waste Codes: D003

Sub Categories:

WATER REACTIVE SUBCATEGORY BASED ON 261.23(a)(2), (3), and (4)

Constituent(s):

NO UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

at I believe that the information I submitted herein is true, accurate and complete. I hereby certify the

877490293

	ENVIRONMENTAL SYSTEMS
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Genera	tor Name:		EMICALS INC		Generator EP	A ID Number:	NJD001315	282
Manife	st Number:	PAE4138	330	· · · · · · · · · · · · · · · · · · ·	• .		•	
Part 26 require	68, to the trea	itment, storage or ied in 40 CFR 26	e appropriate notification, disposal facility which re 8.7, 1 have indicated bel- tandards found in 40 CFR	eceives the wastes ow the relevant in	referenced belo formation requi	w. In accordanc red to properly i	e with the waste analy manage my waste(s) i	sis and recordkee n compliance with
pproval/!	Lab Code:	WD38236	Waste Water:	N Non Wasti	· Water: Y	UHC's: Y	Class Eroup	: A
este Cod	es: 0002		Sub Categories:					
ORROSIVE	CHARACTE	RISTIC WAST	ES, CWA, CWA-EQU Constituent(s):	IVALENT, OR	CLASS I SI	WA SYSTEMS		
מיטאני מ	IN WASTE							
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See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature:

Title:

Republic Environmental Systems, Inc.

877490294

DCN (01-204-F0)7) Rev. 0 12/95

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<b></b>	ENVIRONMENTA
	CYCTEMS

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

STSTEVES A APP DAG .		4 2000 131 528
Generator Name: NAPP CHEMICATE	5 Inc	Generator EPA ID Number: 1 3000 131 528

Manifest Number: PAF. 0582352

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d)

Approval/Lab Code	Manifest Line # (eg. 11(a), 11(b))	w	N W	List the EPA Waste Codes, Subcategories and/or Constituent(a) of Concern	UHCs*	Classification Group
(:1)38180	<i>/</i> s		7	IGNITABLE LIGHT HIGH FOC	У	Dool
				DICTO YLAMINA U-79 90	<b>'</b>	
				Triestylamina 0199%		
		<u> </u>				

WW . Wastewater

N.W.W. - Non-Wastewater

\* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

### Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted wastes that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B: "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatmen process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining thi information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance level specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that ther are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group D: "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine an imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only waste which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I ar aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardou characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

I hereby certify that I believe that the information I submitted herein is true, accurate and comple Signature:  Title:	te. Date	5-15-95	
Signamic (A) F (S) S (S)	-		

**Bureau of Waste Management** P. O. Box 8550 Harrisburg, PA 17105-8550 OMB No. 2050-0039 OFFICIAL PENNSYLVANIA MANIFEST FORM Expires 9-30-94 UNIFORM HAZARDOUS 1. Generator's US EPA ID No. Information in the shaded areas 2. Page 1 is not required by Federal law NJ00013 WASTE MANIFEST but is required by State law. 3. Generator's Name and Malling Address State Manifest Document Number as and to te PAE 0582352 199 MAIN ST. PO GUY 100 しょつひ 4. Generator's Phone (24) C. State Trans. ID. 10 6 204 5. Transporter 1 Company Name 6. US EPA ID Number 11 -001-104185 アイクションフタイ 7. Transporter 2 Company Name Di Transporter's Phone: (43) 8. US EPA ID Number 0033 7661 of AND STATE OF A ROW 10. US EPA ID Number 11 1: - - 11 / 1 1140 170 3 610 1 7 = Hi Facility's Phone (44.5) (2.3 Section 2.1) 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Total Type 3 40/193 \* KU " 1611 NXXED Tir 11101 Additional Descriptions for Materials Listed Above Additional Descriptions for Materials Listed Above Lab Pack K. Handling Codes for Wat SU local Birth Towns Land Land Come Store 15. Special Handling Instructions and Additional Information 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree 4-have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can altord. Signature Printed/Typed Name DAY -- YEAR -HZ-HAISKI 17. Transporter | Acknowledgement of Receipt of Materia YEAR Printed/Typed Name Signature DAY\_ DERM MOYEN 7 18. Transporter 2 Acknowledgement of Receipt of Materia Printed/Typed Name Signature MONTH

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification	of receipt of hazardous materials covered by t	his manifest except as noted in Item 19.
Printed/Typed Name	Signature	

Form 8700-22 (Rev. 9/88) Previous editions are obsolete

MONTH

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### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC	Generator EPA ID Number: NJD001315232
PAE4138816	
Manifest Number:	

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordken requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance wit Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 300

lla Approvai/Lab Code: AD38226

Waste Water: N Non Waste Water: Y

UHC's: Y

Class Group: A

Waste Codes: 0002

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS 1 SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

11b Approval/Lab Code: AD37670

Waste Water: N Non Waste Water: Y

UHC's: Y

Class Group: A

Waste Codes: U003

Sub Categories:

Constituent(s):

**ACETRONTRILE** 

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: .



## Bureau of Waste Management P. O. Box 8550 Hamisburg, PA 17105-8550 EFICIAL PENNSYLVANIA MANIFEST FORM

OMB No. 2050-0039

UNIFORM HAZAHDOUS					
WASTE MANIFEST 11 J D D D D 1 3 1 3 L 8 L D	Amiltosi Sugani No. 2	2. Pag of	is not required but is required.	ed by Feder	ral law
1 Generator's Name and Mailing Address O ADD CHEMICALS TAC		A Stat	Manifest Documen	Number	77 1
199 Main Sr. 10 Box 900		BC, State	Gent IDIO COMP	023	1200
1. Generator's Phone (201) 773 3900			<b>医</b>		
Fireneporter 1 Company Name  REPUBLICE 1V575 (1)  IFA 10 85690	592	PA			
T. Transporter 2 Company Name REPUBLIC F. A.V. 5 YS (7/91/3 Group) PAD 98 2661	381	DA Trei	sporter Phone (	75).X2	2 899
Designated Facility Name and Site Address A) Inc 10. US EPA ID Number	201	<b>PA</b>	MINE	Silve	7
2869 sangsione orive		F. Trei	sporters Phone? (	1,111	SIZE PE
H47 FICIO Pa. 19440 \$ 1085690		H. Fac	uny's Phone (H)		599Dw
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15. Special Handling Instructions and Additional Information  [: M	773 -	curately di plicable in	sscribed above by protectional and national	n Actatiumeti	regulations.
15. Special Handling Instructions and Additional Information  [: M e Gency  ] C    16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway a lift is am a large quantity generator, I certify that I have a program in place to reduce the volume and toxic practicable and that I have selected the practicable method of treatment, storage, or disposal currently averaged the environment: OR, if I am a small quantity generator, I have made a good faith effort to mitigalize received.	773 -	curately di plicable in	sscribed above by protectional and national	n Actatiumeti	regulations.
15. Special Handling Instructions and Additional Information  [: M	773 -	curately di plicable in	sscribed above by protectional and national	n Actatiumeti	regulations.
15. Special Handling Instructions and Additional Information  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway as the service of the selected the practicable method of treatment, storage, or disposal currently away and the environment; OR, if I am a small quantity generator. I have made a good faith effort to minimize revaliable to me and that I can afford.  Reinhed/Typed Name  A ZOAISK:  17. Transporter I Acknowledgement of Receipt of Malerials  Printed/Typed Name  Dean Moyer  Signification  Sig	773 -	curately di plicable in	sscribed above by protectional and national	n Actatiumeti	regulations.
15. Special Handling Instructions and Additional Information  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway and the service of the selected the practicable method of treatment, storage, or disposal currently away and the environment; OR, if I am a small quantity generator. I have made a good faith effort to minimize revailable to me and that I can afford.  Reinsed/Typed Name  11. Transporter Tacknowledgement of Receipt of Malerials  Printed/Typed Name  Signature	773 -	curately di plicable in	sscribed above by protectional and national	ermined to be ture threat to nanagement  MONTH  X 5	regulations.
15. Special Handling Instructions and Additional Information  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway as the service of the selected the practicable method of treatment, storage, or disposal currently away and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize revaliable to me and that I can afford.  Reinhed/Typed Name  ORAN MOYEN  18. Transporter 1 Acknowledgement of Receipt of Materials	773 -	curately di plicable in	sscribed above by protectional and national	ermined to be ture threat to nanagement  MONTH  X 5	e economically human health method that is pay YEAR
15. Special Handling Instructions and Additional Information  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway and the environment; OR, if I am a small quantity generator, I certify that I have a program in place to reduce the volume and toxic practicable and that I have selected the practicable method of treatment, storage, or disposal currently are and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize revailable to me and that I can afford.  Righted Typed Name  OCAN MOYEL  11. Transporter I Acknowledgement of Receipt of Materials  Printed/Typed Name  Signature  Signature	773 -	curately di plicable in	sscribed above by pro- ternational and nation	ermined to be ture threat to nanagement  MONTH  X 5	e economically human health method that is pay YEAR
15. Special Handling Instructions and Additional Information  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway a selected practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me and that I have selected the practicable method of treatment, storage, or disposal currently available to me and that I have a small quantity generator. I have made a good faith effort to minimize the available to me and that I can afford.  Righted/Typed Name  Dean Moyer  18. Transporter 2 Acknowledgement of Receipt of Materials  Printed/Typed Name  Signature  19. Discrepancy Indication Space	e fully and acc according to ap titly of waste ge itable to me wh my waste gener	curately diplicable in nerated to inch minimation and	escribed above by pro- iternational and national the degree I have det izes the present and is select the best waste	ermined to be ture threat to nanagement  MONTH  X 5	e economically human health method that is pay YEAR
15. Special Handling Instructions and Additional Information  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway and the environment; OR, if I am a small quantity generator, I certify that I have a program in place to reduce the volume and toxic practicable and that I have selected the practicable method of treatment, storage, or disposal currently are and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize revailable to me and that I can afford.  Righted Typed Name  OCAN MOYEL  11. Transporter I Acknowledgement of Receipt of Materials  Printed/Typed Name  Signature  Signature	e fully and acc according to ap titly of waste ge itable to me wh my waste gener	curately diplicable in nerated to inch minimation and	escribed above by pro- iternational and national the degree I have det izes the present and is select the best waste	month	e economically human health method that is pay YEAR

Response Center (800) 424-8502 and the PA DER (717) 787-4343

in case of an emergency or split immediately call the Nr

## Bureau of Waste Management P. O. Box 8550

Harrisburg, PA 17105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

OMB No. 2050

•	UNIFORM HAZARDOUS  1. Generator's US EPA ID No.  WASTE MANIFEST 17 JOG 1315282	_ Doc	lanifest ument Np. 2	2. Pag of	e 1 Informatio is not requ but is requ	ired by F		
)	3. Generator's Name and Mailing Address NAPP CHEMICALS TAC 199 Main ST. POBOX 900 LODI. NJ 07644			A. Stal	PAE 0	10 Numb	352	
1	4. Generator's Phone (201) 773 3900			B. Stat	e Gert, IDT Sylands and price of 10 10 10 10 10 10 10 10 10 10 10 10 10	7e	MANAGER ST	1
	S. Transporter 1 Company Name REPUBLICEAUSYS (A) 11ADG 856	Number 9 0	592	Ç, Sta	e Trans. ID 50	620	79.	- E
	7. Transporter 2 Company Name  REPUBLIC F. N. S. YS (1985 Group) PAD 9826	Number		De Tra	nsporter's Phone	145)	9128	; ;
	Designated Facility Name and Site Address A) Inc 10. US EPA ID	Number	381	PA	MAH	231	77	- MAX.
	12869 Sangsione orive			4/4/	sporter's Phone.	(引2)		
	H47 FICIO, Pa. 19440 \$ 1 10856	90	5 9 Z		Mity's Phone (4)	5 8 7 T	2599	
	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number		No.	Туре	Total Quantity	Vi/Ve	V es	
	PROWING PLAMMABLE LIQUID NOS 3 UNICO DIETHYLAMINE 0-99% PGITT	993						
G	CTRICTALLAMINE 0-41 90 / (DOO)	71)	XXI	DF	XXX3	716	リの代	į
E								
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R			:		; ; !			
	u. 							Calle Age (C)
)	Additional Descriptions for Materials Listed Above     Lab Pack Physical State     Physical State     Physical State		গ্ৰহ্ম প্ৰস্তুৰ	K. Han	dling Codes for W	estes List	ed Above	•
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	•			<b>b.</b> 1	टार्मेट <b>क</b> ्रमान्य होते ।	Line	_	
	15. Special Handling Instructions and Additional Information Emerge							_
l	70	7	73-	390	0			
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consiclassified, packed, marked, and labeled and are in all respects in proper condition for transport by	ignment are	tully and acc	urately de	sscribed above by pr	oper shipp	ing name ar	T.
	If I am a large quantity generator, I certify that I have a program in place to reduce the volume practicable and that I have selected the practicable method of treatment, storage, or disposal culand the environment. OR, if I am a small quantity generator, I have made a good faith effort to available to me and that I can afford.	minimize m	lable to me whiny waste gener	ch minim	izes the present and select the best waste	uture three managem	at to human i	ĥ Ir —
₹	Al GAZdAISKi Signaturi	Los	das	she	<u>.                                    </u>	X 5	1751	1
TRAN	17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  Dean moyev  Signature	un	ungs.	<del></del>		NONTH S	PAYS	-
E420000	18. Yraneporter 2 Actnowledgement of Receipt of Materials Printed/Typed Name Signature					MONTH	DAY	
ŧ	19 Discussion Indication Space					1		_
FAC	19. Discrepancy Indication Space							
_	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered	by this m	anifest excep	t as note	ed in item 19.			- 1
Y	Printed/Typed Name Signature					MONTH	DAY	7.
_						4	44	_

STRAIGHT

BILL OF LADING

## REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD HATFIELD PA 19440							
ATE OF PICKUP 5/16/95 EPA	IDENTIFICATION CODE NO. NJD	00131	5282	N CT	SEET		
ENERATOR NAPP CHEMICALS INC	ADDF	RESS NJ	99 MA]		(EE I	ONE 201	773-3900
CONTACT: BOB LOEWENSTEIN	BROKER:				23.3	ONE	
US DOT Description (Including Proper Shipping N		)	Contai No.	ners Type	Total Quantity	Unit Wt./Vol	Waste No.
a. RQ WASTE CORROSIVE LIQUIDS, N.O. (NITRIC ACID )	5.,8,UN1760,PG II		vx I	D M	X20	) O P	D 0 0 2
<ul><li>RQ HAZARDOUS WASTE, SOLID, N.O.S (ACETONITRILE)</li></ul>	.,9,NA3077,PG III						
RQ WASTE SODIUM HYDROXIDE, SOLUT	TON 9 IIN1924 DC TT		XX6	D M	XXZC	) O P	U 0 0 3
3 KG BASIE SOUTON HIDROXIDE, SOLUT	100,0,001024,78 11		101	D M	ソソソ	55 G	0002
RQ HAZARDOUS WASTE, SOLID, N.O.S. (PYRIDINE)	.,9,NA3077,PG III		yx 4	n M	Y81		U 1 9 6
Additional Information/Lab Code			Emerg	ency Pho	one#		10136
a AD38226 S01	c WD38	3274	SO	)1			
• AD37670 S01	AD38	3294	SC	)1			
CONTRACT/PO NO.		0.1054					
IO. OF OVERPACKS USED	SPECIAL INSTRUCTION		SONSTO	De?	WOTK	<del>/</del>	
START TIME 700 A			7 1				
RIVAL AT CUSTOMER 900 A							
PELAY TIME							
GENERATOR CERTIFICATION: "I hereby declare that the contents of this consignm and labeled, and are in all respects in proper conditions certify that all times listed above are true and content Name HILL AND SALE	ion for transport by highway according	p to app	by proper oligable int	shipping ernations	name and are al and national	classified, pac governmental	cked, marked regulations." I
RACTOR # 42 TRAILER# 30	90 BOX SPOTTED#			CKED U		LINER	Ÿ
DANICHORTER 44			PHON	E NUMB	ER	<u>822-8995</u>	
PANSPORTER #1 DMPANY REPUBLIC ENV. SYS. (P	A)		EPA/Q	NO. F	AD085690	592	
PINT NAME MIRCHIOU	SIGNATURE	M	No.	D.		DATE _	5/16/95
NANSPORTER #2 DMPANY REPUBLIC ENV SYS (TRA	NS GROUP)				ER <u>215</u> AD982661		
RINT NAME	SIGNATURE					_ DATE _	
OF ARRIVAL TIME	REASON FOR DELAY						
OF DEPARTURE TIME							
*LAY TIME							
NSIGNEE/TREATMENT/STORAGE/DISPOSAL FA	ACILITY EPA IDENTIFICATION CO	DE NO	PADOS	569059	2		
NSIGNED TO REPUBLIC ENV SYS (PA)	INC. ADD	RESS	2869 SI	ANDSTO	NE DRIVE		
	STATE PA ZIP 1			HONE 2	<del>15 822-899</del>	5 .	
S IS TO CERTIFY THE ACCEPTANCE OF THIS NINT NAME	VASTE FOR TREATMENT STORAGE SIGNATURE					DATE	

te - GENERATOR FILE



### **Bureau of Waste Management** P.O. Box 8550 Harrisburg, Ph. 17105-850 OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved. OMB No. 2050-003

ER-WM-51 REV. 10/94 Expires 9-30-96 1. Generator's US EPA ID No. 2. Page 1 Information within the blue border is not **UNIFORM HAZARDOUS** required by Federal law but may be required by State law. **WASTE MANIFEST** N J D O O 1 3 1 5 2 8 2 rator's Name and Malling Address NAPP CHEMICALS INC PAE 4138816 J9 MAIN STREET P O BOX 900 LODI NJ 07644 773-3900 5. Transporter 1 Company Name 6. US EPA ID Number C. State Trans. ID PA-AH REPUBLIC ENV. SYS. (PA) PAD085690592 506209 7. Transporter 2 Company Nam 8. US EPA ID Numbe D. Transporter's Phone ( 215 822-8995 REPUBLIC ENV SYS (TRANS GROUP) PAD982661381 PA-AH 9. Designated Facility Name and Site Address 10. US EPA ID Numbe 0317 REPUBLIC ENV SYS (PA), INC. F. Transporter's Phone ( 215 822-2676 G. State Facility's ID 2869 SANDSTONE DRIVE HATFIELD PA 19440 PAD085690592 H. Facility's Phone ( 215 822-8995 Unit 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste No. Total Type RQ WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II, (NITRIC ACID ), (D002) Ρ D 0 0 b. RQ HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, ENER PG III, (ACETONITRILE ), (U003) P U 0 0 : RQ WASTE SODIUM HYDROXIDE, SOLUTION, 8, UN1824.PG II. (D002) P G D 0 0 d RQ HAZARDOUS WASTE, SOLID, N.O.S.,9,NA3077, PG III, (PYRIDINE ), (U196) ittional Descriptions for Materials Listed Above Physical State Physical State Lab Pack AD38226 WD38274 S01 SOI b. AD37670 AD38294 SO1 **SO1** EMERGENCY PHONE 201-773 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be exone practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and tuture threat to human the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is at to me and that I can afford. 16. GENERATOR'S CERTIFICATION: MONTH Signature 18. Discrepancy Indication Space racility owner or Operator: Cartification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature

5

5

393443 1/2

(PA)

	REPUBLIC	Page of
7	SYSTEMS LAND DISPOSAL RESTRICTION, NOTIF	CATION CERTIFICATION FORM
j	Generator Name: NAPP CHEMICALS INC PAE 4 1 3 8 8 1 6 Manifest Number:	Generator EPA ID Number: NJD001315282
	The purpose of this form is to provide appropriate notification/certification, in accepant 268, to the treatment, storage or disposal facility which receives the wastes requirements specified in 40 CFR 268.7. I have indicated below the relevant information and Disposal Restriction treatment standards found in 40 CFR 268 and any applications.	referenced below. In accordance with the waste analysis and recordkeeping ormation required to properly manage my waste(s) in compliance with the
٦r	proval/Lab Code: WD38274 Waste Water: N Non Waste	Water: Y UHC's: Y Class Group: A
;t	;te Codes: D002	
	Sub Catagories:	
₹R	ROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR (	CLASS I SDWA SYSTEMS

Waste Water: N Non Waste Water: Y

;te Codes: U196

proval/Lab Code: AD38294

UHC'S IN WASTE

Sub Categories: Constituent(s):

**EIDINE** 

See back for descriptions of classification groups and classification group certification statement. I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

UHC's: Y Class Group: A

STRAIGHT

BILL OF LADING

## REPUBLIC ENVIRONMENTAL SYSTEMS

B/L Number 393444 2/2		2337 NORTH HATFIELD		Ď				
E OF PICKUP	EPA IDENTIFI	CATION CODE NO.	NJD00131	5282		<del> </del>		
LENERATOR NAPP CHEMICA	LS INC		_ ADDRESS _	199 MA				
CITY LODI CONTACT: BOB LOEWENSTE	TN		ATE NJ	ZIF	076	44 PHON	<u> 201 7</u>	73-390
US DOT Description (Including P	<del></del>	Zard Class, and ID I		Contai No.	1	Total Quantity	Unit Wt./Vol.	Waste
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ь. NON DOY/RCRA HAZ LIQUI	IN MAT AAT DECINA	TPA		XXI	DM	XXXS	5 G	N/F
b. NON DOT/RCRA HAZ LIQU	ID MOI DO! KEBULA	וצט				,	1	
				XX3	DM	XX 16	5 6	N/A
" NON DOT/KERA 1	42 & Liquidy	VOT VOT RO	990/3ES			222		1
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d.				MT	Ur	4xx(	) 6-	<del> </del>
<b>-</b> -					}			
Additional Information/Lab Code			. 17-24		ency Pho	one#		
a WD38178 S01		c Z	1381	7				
b WD38179 S01		đ						
CONTRACT/PO NO.				<del></del> -				
NO. OF OVERPACKS USED		SPECIAL INSTRU	CTIONS / REA	SONS FO	R DELA	¥		
	100 A		0/22	OMG		Jus we	ZK.	<del></del>
rt TIME	00 A							
DEPARTED CUSTOMER	200P		<del></del>			·		
DELAY TIME								
GENERATOR CERTIFICATION:				<del></del>		<del></del>		
"I hereby declare that the contents and labeled, and are in all respects	of this consignment are f	ully and accurately d ansport by highway a	escribed above according to ap	by proper	shipping ernations	name and are cla	ssified, paci	ked, market
also certify that all times isted abo	ve are true and correct.	<i>b</i> /	10 you	day	2:		the	be
Print Name	OH121.7	Signature				Day	<u> </u>	<u> </u>
TRACTOR # 42 TR	AILER# 709	BOX SPOTTED		BOX PI	CKED UI	. N	INER D	$\checkmark$
THAT I THE					E NUMB	215 92	2-8995	
TRANSPORTER 11 PUBLIC EN	/. SYS. (PA)					AD08569059		
11-10	BIDWU		- 11	EPA ID	NO.	_		1
PRINT NAME	mowo	SIGNATUF	RE	100	DV.		DATE	
TRANSPORTER #2 COMPANY REPUBLIC EM	LEVE (TOANS OF	101 E)				ER215_82		
COMPANY REPUBLIC EN	AS CHANIS OF		_	EPA ID	NO.	AD98266138	<u> </u>	
PRINT NAME		SIGNATUF	RE				DATE	
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DELAY TIME								
CONSIGNEE/TREATMENT/STORAG						_		
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This IS TO CERTIFY THE ACCEPT	STAT	• • •			HONE 2	15 822 8995		<del></del>
PRINT NAME						·····	DATE _	
								-

White - GENERATOR FILE Blue - TRANSPORTER FILE

Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR) Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE Goldenrod - TSD FACILITY COPY

FORM #10

/Rev. 1/95

# PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P. 1. Box 8558 Harrisburg, PA 17105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved. OMB No. 2050-0039

WASTE MANIFEST N J D 0 0 1 3 1 5 2 8 2 7 9 8 2 0 1 required by Federal law but may be required by State law.  NAPP CHEMICALS INC  PAE 4138820  B. State Manifest Document Number  PAE 4138820  B. State Gen. ID SAME  C. State Trans. ID  PA-AH S 0 6 2 0 9  D. Transporter 2 Company Name  REPUBLIC ENV. SYS. (PA) PAD 9 8 2 6 6 1 3 8 1  PA-AH S 0 6 2 0 9  D. Transporter's Phone (21/5 822-8995)  E. State Trans. ID  PA-AH S 0 6 2 0 9  D. Transporter's Phone (21/5 822-8995)  E. State Trans. ID  PA-AH 0 3 1 7	I-51 REV. 10/94 OFFICIAL PENNSYLVANIA MANIFEST I	FORM	2. Page 1	Information	n within the h	Expires 9-30-96
ASSERTANCE P O BOX 900  1.99 MAIN STREET P O BOX 900  1.00 I NJ 07644  201  773-3900  1.00 E LUB ETA ID Number  REPUBLIC ENV SYS (PA)  1.00 ETA B Number  1.00 ETA B Number  REPUBLIC ENV SYS (PA)  1.00 ETA B Number  REPUBLIC ENV SYS (PA), INC.  2.00 ETA B Number  1.00 ETA B Number  REPUBLIC ENV SYS (PA), INC.  2.00 ETA B Number  1.00 E	JNIFORM HAZARDOUS	Document No.		d beniupen	y Federal law	
DOI NJ 07644  201 773-3900  E. USEPA Disunser  REPUBLIC ENV. SYS. (PA)  P. A. D. O. 8, 5, 6, 9, 0, 5, 9, 2  REPUBLIC ENV. SYS. (PA)  P. A. D. O. 8, 5, 6, 9, 0, 5, 9, 2  REPUBLIC ENV. SYS. (PA), INC.  REPUBLIC ENV. SYS		<del></del>	A. State Mani			~~~
A US EPA 6 Number  201 773-3900  8. US EPA 6 Number  PA-AH  S O 6 2 0 9  PA-AH  S O 6 2 0 9  PA-AH  S O 6 2 0 9  PA-AH  S O 6 2 0 9  D. Transporter Piece (2) IS 822-8995  ENGREPUBLIC ENV SYS (PA), INC.  2869 SANDSTONE DRIVE  HATE FIELD PA 19440  PA D O 8 5 6 9 0 5 9 2  NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED  NON DOT/RCRA HAZ	199 MAIN STREET P O BOX 900		<u> </u>			<u>820                                    </u>
LUB EPA D Number  PA-AH SO 6 2 0 9  PA-AH SO 6 0 9  PA-AH SO 6 2 0	LODI NJ 07644		B. State Gen.	SAM	E	
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To US EPA D Number  REPUBLIC ENV SYS (PA), INC.  2869 SANDSTONE DRIVE  NATERIA DA 19440  PA D O B S 6 9 0 5 9 7  In Section Proper Stopping Name, Named Classe, and D Number)  NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED  NON DOT REGULATED  NON DOT REGULATED  NON DOT RCRA HAZ LIQUID, NOT DOT REGULATED  NON DOT REGULATED  NON DOT RC	REPUBLIC ENV SYS (TRANS GROUP)   P A D 9 8 2 6 6 1	381				
A State Processor by Reservice DRIVE PARTIFICATION:  Description (procluding Proper Shipping Name, Hazard Cisea, and ID Number)  12 Contributor 13 Contributor 14 Contributor 15 Contributor 16 Contributor 17 Contributor 18 Contributor 19 Constituty 19 Con		or .	PA-A	<del>/H</del>	031	7
PAD 0 8 5 6 9 0 5 9 7  It Feelbly's Priore 1 215 RCZ 8995  Its Continuous 1 12	REPUBLIC ENV SYS (PA), INC.			<u>`</u> _	215	822-2676
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NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED    NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED   XXX	US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	No.	Type			
NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED    XXX	NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED					
ACMITY DAY YEAR Printed Plane Baser of Materials Listed Above Lab Pack Physical State    California Descriptions for Materials Listed Above Lab Pack Physical State   Lab Pack Physical State   Lab Pack   Physical State   Physical State   Lab Pack   Physical State   Lab Pack   Physical State   Lab Pack   Physical State   Lab Pack   Physical State   Physical State   Lab Pack   Physical State   Physical St						1
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Printed/Typed Name Signature MONTH DAY , YEAR Discrepancy Indication Space Security owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.	M. Ko Bizini	40 B	, 1,A21			T149
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acility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Rem 19.	Discrepancy Indication Space	<del></del>				
	-actility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except a	as noted in Item 19.				
		as noted in item 19.			МОНТН	I DAY YEA

## REPUBLIC ENVIRONMENTAL SYSTEMS (PENNSYLVANIA), INC. 2869 Sandstone Drive / Hatfield, Penna. 19440

Number Date 5/16/95 STRAIGHT  Received, subject to the classification and tariffs in effect on the date of issue of this original Bill of Lading.  DATE OF PICKUP 5/16/95 EPA IDENTIFICATION CODE NO. NJD	PROCESSING FACILITY PERMIT NO. 300694
GENERATOR No 12 Technologies ADDRESS_ CITY Lood; STATE NJ	ZIP 07644 PHONE (20) 733-39
SIAIE NO	ZIP PHONE (20) 183-3
US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers Total Unit Waste No. Type Quantity Wt./Vol.
* RQ, waste 'Sodium Hydrosulfite, 4.2, UNI384, PGII (DOOZ)	
UN1384, PGIL (DOO3)	001 Dm 00100 P DOC
b	
c.	
d.	
Additional Information/Lab Code	<u> </u>
· AD 38232 c	
SPECIAL HANDLING INSTRUCTIONS/COMMENTS	DI ACARDO DOCUMENTA CENTO
	PLACARDS PROVIDED/AFFIXED  DRIVERS SIGNATURE
(Contract No)	2 X Mach Oth
EMERGENCY INFORMATION!!!	CALL: CHEMTRECT 1-800-424-9300
Call Generator, (print)	Phone No. A/C
GENERATOR CERTIFICATION: I certify that the materials described above are properly described, classified, packaged, mar commerce under the applicable regulations of the Federal Environmental Protection Associated and delays are project as noted.  Print Name	and the Federal Department of Transportation, and that all time.  Date Shipped 5/16/95
COMPANY Republic EIV. Sys. (Trans Group) ADDRESS	EPA IDENTIFICATION CODE NO. PAD 982661
CITY HOTE Eld STATE PA	ZIP 19440 PHONE (5/5)852-8
This is to certify acceptance of the above described waste for transportation.  PRINT NAME	lack Ott DATE 5/16/
DEPARTED ARRIVE REF	A.M.
	AY TIME
l j l l	R DELAY
END LOADING	
DEPARTED CUSTOMER TRACTOR N	O TRAILER NO
	140 PHONE (215) 822 - 8995
PRINT NAME SIGNATURE	

White - GENERATOR FILE **Blue - TRANSPORTER FILE** Green - PROCESSING FACILITY **Yellow - RETURN TO GENERATOR** Pink - BILLING FILE

877490305

FORM #10;

		1
Page	of	

REPUBLIC
ENVIRONMENTAL
SYSTEMS

### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Na 12 12	Technologies	Generator EPA ID Number: 1/170 0013/5282
Manifest Number: PA=	355631	

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268,32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs*	Classification Group
	<u>ા વ્</u>		X	Door other resulves	7	A
WW - Wastey					V - Non-V	

W.W. - Wastewater

N.W.W. - Non-Wastewater

DCN:(01-304-P017) Rev. 0 13/94 .

. . . . .

\* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

### Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained property so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments.

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

Republic Environmental Systems, Inc.

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.  Signature:  Title:	Date: 5	116/95	
Signature. Co. 75 Y 33 C 1 Inte. Co.			_



## PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P.O. Box 8550 Harrisburg. PA 17105-8550

	EF	R-WM-51 REV. 1/91 OFFICIAL PENNSYLVANIA MANIFEST F	ORM			Expires 9-30-0
Γ	<b>A</b>	UNIFORM HAZARDOUS  1. Generator's US EPA ID No.  WASTE MANIFEST   N J D O D 3 1 5 2 8 2 5	Manifest Document No.	2. Page of	is not require	n the shaded are: d by Federal law
٤.	٠.		3651		but is require	d by State law.
ł	Ш	199 main street		PA	E2135	<b>B31</b>
ļ		Lod:, NJ 07644		8. State		
	Ш	4. Generator's Phone (201) 733-3900  5. Transporter 1 Company Name 6. US EPA ID Numbe	er	C. State	Taury DIVILLA	DIVIZ
		Republic EN. Sys. (PA) IPADO8569	0592		計算法 計算	
3		17. Transporter 2 Company Name	1381	D. Trans	orier's Phone 3/17	(2) 855F1
		Republic Envi Sys. (Trans Group PAD 982661  9. Designated Facility Name and Site Address 10. US ERA ID Number	er	100 100	विस्ति स्	207
<u> </u>		Republic Environmental Systems (M) Inc.	•	E. Frans	porter a Phone 💥	1518228
		12869 Sandstone Drive IPADO 8569	1500	A STATE OF THE PARTY OF THE PAR	Facility's ID MANAGE	9274459
2			12. Conta		13.	14. 建筑线等
2		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and 1D Number)	No.	Туре	Total Quantity	Unit West
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Response Center (800)	OR					
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	Ē	19. Discrepancy Indication Space			<del>-</del>	
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	5	29. Facility Owner or Operator; Certification of receipt of hazardous materials covered by this	mannest except	#\$ noted	in 10910 13/.	

CODY 4 - Generator: Mail to Generator State

MONTH DAY

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ENVIRONMENTAL	L
- CYSTEMS	

### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name:	Nan	-polonolo	9,-5	Inc.	Generator EPA ID Number:	NID	.0013/5282
Manifest Number							

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (04, 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
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	284.		×	2003 Kasitive Cushides	7.	Ą
	2 Ed.		>	poll silver	7	A
W.W Waster	water			N.W.	V Non-V	Vasiewater

• The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

### Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

### Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

### Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

### Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

### Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

### Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted be Signature: Title:	erein is true accurate and complete.	Date: 5	116/95
<i>y</i>		7	7

UNDERLYING HAZARDOUS CONSTITUENTS TABLE	UNDERI	YING	HAZARDOUS	CONSTITUENTS	TABLE
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Page 201

Lab Code:

Manifest No: PAE 1829

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams Please identify those constituents which are reasonably expected to be present in the waste referenced above. Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

(₹)	Constituents	(♣)	Constituents	<b>(4)</b>	Constituents	<b>(4)</b>	Constituents
	Acetana		Dibatato(«.»)рутена		Heptachics eposide		Trinchistodhess-Arres
	Acomphibalone		1-2-Dikumetune (ethylene dikumide)	<b></b>	Searchicroburgue		Tetradicrofiberro p-doning
	Acensphilans		Dibronomethme		Hetachiorobundique		LLL2 Tetroblerorbuse
	Acerronnie		2-4-Dichlorophenosysseus soid		Retachlerocycloperacions		L1.2.2 Totachkoroshane
	Acrophenens	<del></del>	Diphenylamine		Harachlorolibemo-faces		
	= 2-scetylaminofluorene		1,2-Diphenyi hydrania		Harachkrodbenzo-p-donine		Tetradiarorbate (Tetradiarorbaia
	Acrylanurile		Diphenyi Nitrosamas		Hemchicrostone		2.5.4.6-Tetrochlorophonal
	Aldra		o.p-DDD		Herachieroproperu	<del></del>	Totaghain
	Aldra		p.p-DDD		Indexe(1.2.3,c,0)pyrms		1.2.4-Tricklorobenesse
	Amino		DDB.		lodomethane		1.1.1-Trichlerostume
	4-Aminobiphenyl		pp-DDE		Isobungal		L.1.2-Trichkerostylens
					•		Trichlero-Hylene
	Anthroces		ap-DDT		Irodrin.		2,4,5-Trichkrophend
	Arodar 1016		P-DDT		leces.fruje		2.4.6-Trichlorophenal
	Arocier 1221		Diberro(a,k)enthracene		K-spotes	-	1,2,3-Trichkropropuss
	Aroder 1232		o-Dichlorobensum		Methocryloxitrile		1.1.2-Trichlore-1.2.2-trifferrortem
	Aroder 1242		m-Dichlorobaneme		Methopyniana		tris(2,3-Dilleratuspropyl) phosphate
	Arodar 1248		p-DicMcrobennesse		Method		Vinty chloride
	Arodor 1254		Dichlorodi.Excromethese		Methorychics		Xylama(a)
	Arodor 1260		1,1-Dichlerortume		3-Methychialanteene		INORGANIC CONSTITUENTS
	alphe-BHC		1,2-Dichlorostume		4.4 Methylene his (2 chlorosphine)		Cynnidus (Total)
	bea-BEC		1.1-Dichlorosthylene		Metrylana chlorida		Phonds
	gallerine-BHC		tran-1,2 Dichlerosthan (2-Dichlerosthylane)		Methyl othyl latena		Selfido
	Bernen		2.4-Dichlorophenol		Methyl isobutyl krime		Astinary
	Bengo(a)umbracente		2.6-Dichlorophonol		Metal metasylata		America America
	Bergo b) Excenthene		1,2-Dichleropropuse		Metri metamatique		Peim.
	Berme(k)fluorumbene		cis-L.) Dichlaragrapeas		Metayl perotica		
	Beano(g.h.i)perylene		true-L3 Dichteropropes		Negathalan		Peylins Coming
	. Bernec(a)pyrecia		Dieldrin		· · ·		Codenius
	Branchickerenethene		Dirthyl phthulus		2-Naphteylamina		Chronian (total)
	•				p-Nitromino		Copper
	Bromoform.		2.4-Dimetal phone		Nitrohamana		Led
	Brancoustans (methyl branide)		Disselleji philininto		5-Nitro-o-toksidine		Mercey
	4-Bromophayi phasyl ethat		Di-n-buyl phthalate		4-Nitrophenol		Nichol
	n-Butyl sicobal		1,4-Dinitrobuseme		N-Nitronodiothylamine		Schoolings
	Butyl benzyl phthelian		4.6-Disistro-o-cresol		N-Nitrosodim objylamine		Sing
	2-ess-Buryl-4,6-dinitrophunol		2.4-Dinitrophenol		N-Nitros- & a buylanise		Thelian
	Carbon direifide		2,4-Dinitrotaleans		N-Nitroconobytehlysmins		Vender
	Carton tetrochloside		2,6-Djectrotuluma		N-Mirosomorpholine		TOLUENE
	Chlorden		Di-a-ostyń philidene		N-Hitraranopipasidine		-
	p-Chlorosulina		Di-a-gropylnitrosounine		N-Nitrasspyrreiidine		
	Olicobages		Disubleton		Postiin		
	Otorobermiete		Endowithin I		Penindikerobangana		
	Cliaroditronametrase		Endorstôn II		Pennchiarodhumo-furm		·
	Chlorochute		Endorolfon extinu		Paradiarellesso-p-domin		• .
	2-Chlore-1,3-bundism		Entin .		Pentachiloronitrohemate		
	his-(2-chiarusthoxy) methano		Endriga sidalayda		Pentadderophetel		
	his-(2-chicarothyl) other		Billyd gertain		Phonesia		
	Clerelum		Edgi bersen		Promises		, <b>;</b>
	hist(3-chloroisopropyl) other		Edgt symids		Phoni		
	p Chias m-grand		Blight other		Themin		
	Characture (notyl charle)		•				5.1
			his-(2-rityllasyl) pistules		Philadis Ashydsida		• 6
7	2-Otoronephthalens		Ethyl methocytolo		Pronomide		
	2-Chierophotol		Eligian erido		Pyrene		
	3-Chloropropote (3-Chloropropylate)		Fatophat		Pyridiae		
	Chrysens		Phorpshote		Safraio		
	e-Crusel		Phones		Sibras(2.4.5-TP)		
	Cresil (mile somers		Finorotrichloromethene		2457		
	Cyclohezanone		Herenchier		1.2.4.5-Totrodilorshooms	8774	90309

1,2,4,5-Totaldard



## PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P.O. Box 8550

Form approved.

	Harrisburg, PA 17105-8550			OMB No. 2050 Expires 9-30-1	
UNIFORM HAZARDOUS	OFFICIAL PENNSYLVANIA MANIFEST FORM  1. Generator's US EPA ID No.  Mendeet	et 2 5	Page 1 Informatio	on in the shaded are	
WASTE MANIFEST N	DOCUMEN	اددقت	, is not requ	uired by Federal law uired by State law.	٧ .
Renerator's Name and Mailing Address		A. St	ate Manifest Docume		in the second
	199 Main Street	P	AE 182	29984	49,12
	LOD . NJ 07644	B. St		The second	1 (m)
. Generator's Phone (20) ) 7 3	33-3900			M 12 + 10 -	10.00
. Transporter 1 Company Name	6. US EPA ID Number		ate Trans. 10 NJ		.09
republic Env. Sys. (A)	PAD0856905			<b>P</b>	
Transporter 2 Company Name	6. US EPA ID Number 6. US EPA ID Number 9. US EPA ID Number		ansporter's Phone	1Z/51823-8	3775
. Designated Facility Name and Site Addr	3000 1111 100 441 3		PICKINE	55391	- S. 150
	tal Systems (PA) Inc.	F. 70	ransporter's Phone	クバ マファ	7676
2869 Sandstone D	orive A		ate Facility's ID The		5000
19ff. eld PA 1974			acility's Phone (Z/		95
	1:	12. Containers	13.	14. 30 %	. *
1. US DOT Description (Including Proper Sh		No. Тур	Total Quantity	Unit Wast	to No.
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			40015	100 10 mg	<u>07.</u>
Waste Flammable	-190.ds,n.05,,3,UN1993			リング	<b>ZO</b> *
16.II (DOOL UZZO) (	olvene, Dinethall Forman do OC	01108	0005	4 PIR	71
			0003	100	<u> </u>
Waste sodium int	ethylate, 4,2, UN1431, Pot		,		u Tu 🖫 🔐
10001,0003)		0 1 DF	-10000	217100	03
	Substances, solid, nos,				
51 (INULTS / Y	Podescius lodale	، داید	-	-10h	351
1 (000)		0101	<u>-1000 3</u>		01
Additional Descriptions for Materials Lis	sted Above Physical State	, KH	andling Codes for W	astes Listed Above	
With the training	MAXIN TISITIR		CX I 学		C.
		- 10 m			CST. AND
NY SEE SHITTE	AT MALK SITE		68 13	E.501	
5. Special Handling Instructions and Add	Itional Information T-117	F			
9.#47	LP5184	MERG	gency po	7021	
16.450	C/ 2/ /	(Zo	1) 733-	-3900	
1c.#36					
d.#51					
<ol> <li>GENERATOR'S CERTIFICATION: marked, and labeled and are in all respects in pr</li> </ol>	I hereby declare that the contents of this consignment are fully and accurate roper condition for transport by highway according to applicable international and the content of the conten	itely described ab- i and national gove	ove by proper shipping re emment regulations.	ame and are classified,	packed,
If I am a large quantity generator, I certify that I I have selected the practicable method of treatment of the selected the practicable method of treatment of the selected that the selected the selected that t	have a program in place to reduce the volume and toxicity of waste generated ent, storage, or disposal currently available to the which minimizes the pre- tiful affort to minimize my waste generation and selectiful best waste manage	ed to the degree I i sent and future the	have determined to be ec reat to human health and t is mulicible to me and the	onomically practicable at the environment; OR, i	end thet!
Printed/V/Ded Name	Signatural   ///	7-7-	7	MONTH DAY	YEAR
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					<u>L</u>
19. Discrepancy Indication Space					
J. Facility Owner or Operator: Certification Printed/Typed Name	on of receipt of hazardous materials covered by this manifest Signature	t except as no	ted in Item 19.		
· · · · · · · · · · · · · · · · · · ·	organis .			MONTH DAY	YEAR

ARGE EQUAL TO OR IN EXCESS OF CH HAZARDOUS WASTE ASSIGNED	RQ's 500	0/1000/100/10/1	CHEMTE EPA HOT			= 800-42 = 800-42			PROVIDE
"VALUE TO NATIONAL RESPONSE	RQ =	RQ =	CDC POI	SON CEN	TER	= 404-6	33-5313		
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UNIFORM HAZARDOUS		ator's US EPA ID No.	М	anifest			-		the shade
WASTE MANIFEST	_			ment No.		• •			uired by Fe
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23. Generator's Name NAPP TECHN	OLOGIES	INC			L Sta	ete Manife	est Doc	ument	Number
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28. US DOT Description (Including Proper	Shinning Nan	ne Hazard Class and	ID Numberi	29 Cont	ainers	30 Tota		31 Unit	R. Waste N
				No.	Type	Quan		Wr. Vol	AA9216 M
a. WISTE CYANIDES, INORGANI	r, n.a.s., 6	51, WIS88, 20	5 <b>U</b>						POPE
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S. Additional Descriptions for Materials Lis	sted Above	ALL ARE	AD PA	- VS	T. Ha	ndlina Co	des for	Waste	s Listed Al
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32. Special Handling Instructions and Add						-			3-390
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## DEVELOE CHEM

217 SOUTH FIRST STREET ELIZABETH, NJ 07206 (908) 355-5800

MATERIAL PROFILE SHEETS	
PRODUCT CODE	
PROCESS CODE	

IERATOR INFORMATIO	)N	GENERATO	A US EPA	up. IN	15/0/0/0/1/13	11/5/2/8/2
3754	· · · · · · · · · · · · · · · · · · ·	GENERAT				
ATOR NAME NAPI	P TEChnolox	IES INC		-	RESS IF DIFFERENT	<del></del>
	MAIN ST.				CUI-01	
LODI	NEW TRESE	y 076 VY			T 0 150	Rais
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TONE CONTINUE		TITLE	-141	TR VII	PHONE LOS	37.170 2700
DRESS MELLY	1 PARA DEN	1 420				
SS GENERATING WASTE	TANK C	54m ou	<b>t</b>			
SICAL CHARACTERIS	TICS OF WASTE					
NISUAL DESCRIPTION	STRONG INCIDE	NTAL YE	s	PHYS	ICAL STATE @ 70°F	FREE LIQUIDS
rte	ODOR PRESENT	/	□s	OLID	SINGLE PHASE	
				IQUID	BI-LAYERED	Pumpable?
STEWATER	DESCRIBE			OWDER	MULTI-LAYERED SLUDGE	Pograble?
WASTEWATER		11 10 100 1	l L S	EMI-SOLI		YES NO
CORROSIVITY (pH)	SPECIFIC GRA	·	□ <70		LASH POINT  ☐ >200°F	LIQUID/SOLID % Total Solids
.0	☐ <.8 ☐ .8-1.0	1.2-1.4 1.4-1.7		°F - 100°F	□ >200°F □ NO FLASH	% Suspended
1-9 EXACT pH	1.0-1.2	□ >1.7 □ >1.7		F - 139°F	EXACT	Solids
_1	☐ EXACT			F - 200°F		% Dissolved Solids
				LE (if solic		% Free
			☐ YES		O OPEN CUP	Liquids
HER HAZARDOUS CHA	RACTERISTICS			SPECIAL	HANDLING CONSIDERATION	S
TE IF THIS WASTE IS ANY						
ICRA REACTIVE	☐ RADIOACTIVE ☐ ETIOLOGICAL					
VATER REACTIVE EXPLOSIVE	PESTICIDE MAN	UFACTURING	WASTE			
SHOCK SENSITIVE	OTHER					
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IEMICAL COMPOSITION						
		RAN Min		2.		CONTAINS ANY OF THE
Methylpara.	ben	80 -	90	96	FOLLOWING:	
120		20 -	10	70 96		THAN or ACTUAL
			<del></del>	_ 70	PCB's [] C <50	
			<u> </u>	_%	Cyanides ☐ ☐ <250 Phenolics ☐ ☐ <50	) ppm ppm
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				%	, 55	- P. P
				%	MSDS ATTACHED	VOID ATTACHED
					SUPPLEMENTAL ANAL DESCRIBE:	
				7 <b>4</b>	VESVRIDE.	
			70			
			11.2	_%		
		TOTAL_/	טע	_ %		
E NOTE: The chemical comp timum column must be great	position total in ter than or equal					
6.					<del></del>	
JIST ALL SUBSTANCES REC	BULATED UNDER				NO. OF PAGES ATTACH	IED:
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E. METALS/ORGANICS (mg/kg or ppm)	EP TOX LESS Fuels and WWT Candidates
METAL EPA CÔDE THAN ACTUAL METAL	EPA CODE THAN ACTUAL
Arsenic D004 T <5.0 Hexachlorobenzene	D032
Barium D005 🗍 <100 Hexachloro-1,3-butadie	D033
rene D018 U < 0.5 Hexachloroethane ium D006 U < 1.0 Lead	DOOR 10 < 5.0
on tetrachloride D019 U <0.5 Lindane	D013 D < 0.4 HANGE
Unordane D020 [] < 0.03 Mercury	DOOS 0 < 0.2 HEAT VALUE BTU
Chlorobenzene D021	DO14 C < 10.0 TOTAL HALOGENS % m
Chloroform D022 4 < 6.0 Methyl ethyl ketone	D035
Chromium D007 ☐ <5.0 Nitrobenzene  c-Cresol D023 ☐ <200.0 Pentschlorophenol	D036
m-Cresol D024 U <200.0 Pyridine	0038 0 <5.0 8S&W
p-Cresol D025 D <200.0 Selenium	DO10 C <1.0 WATER CONTENT
Cresol D026	0011 7 < 5.0
2,4-D D016	
1,4-Dichlorobenzene D027	DO15 0 <0.5 TOC mg/
1,2-Dichloroethane D028 U < 0.5 Trichloroethylene	0040 CD < 0.5 COD mg/l
1,1-Dichloroethylene D029	D041
2,4-Dinitrotoluene D030	DO17 D <1.0 OIL & GREASE mg/l
Heotachlor Vinyl chloride	DO43 0 < 0.2 TQX mg/l
(and its hydroxide) 0031 D < 0.008	HOC mg/l
	NIFEST INFORMATION
SHIPMENT METHOD	REGULATORY INFORMATION
BULK LIQUID OTHER (SPECIFY)	USEPA HAZARDOUS WASTE?
BULK SOLID DAYKER TRUCK	
DT RO PAGS VAC	USEPA HAZARDOUS CODE(S)
☐ DRUM (SIZE)	APPLICABLE SUBCATEGORIES
ANTICIPATED VOLUME GALS. DRUMS	STATE HAZARDOUS WASTE? YES ENO
$3.200$ $\Box$ TONS $\Box$ CUBIC YDS.	SIATE HAZARDOUS WASTE:
(QUANTITY)	STATE CODE(S)
PER ONE TIME QUARTER YEA	D.O.T. HAZARDOUS WASTE?
TRANSPORTER: CIEMW VENINGES INC.	
TRANSPORTER PHONE/CONTACT: (9/8) 442-4900	PROPER SHIPPING NAME  LASTS Changel Process Liquid NOS
	2010.2
ISPORTER USEPA I.D. [NJ] 0 19 18 2 2 8 1 10 11	HAZARD CLASS I.D. NO R.Q
ISPORTER USEPA I.D. LISTS TO TO TO TO TO TO TO TO TO TO TO TO TO	1.D. NO 1.2.
H. WASTE CERTIFICATION	
	NO
2. Does this waste material contain perbicides or pesticides as described	<del></del>
YES NO	THE DE CHARLES THE STATE OF THE
Does this waste material contain or ever contain the listed "spent" solv F003, F004, F005 as per CFR 40 Section 251.31?  YES	ents which would classify the waste as any or all USEPA waste types F001, F
4. Does this waste material contain leachable levels of any of the metals	covered by EPA waste types D004 thru D011 as per CFR 40 Section 261.2
YESNO	
5. Does this waste contain any dioxins as specified by 40 CFR 261.31 He	128100US # 8 FU2U, FU21, FU22, FU23, FU20, FU21, FU201
	PC8 ≥ 50 Ni i
6. Is this waste material a "California List" waste, as per CFR 40 Section	. <i>1</i>
7. Does this waste material contain D018-D043 as per CFR 40 Section 2	51.24 (Fed. Reg. 3/29/90)? YES NO
8. Does this waste material contain "U", "K" or "P" wastes as defined p	
·	· · · · / · · · · · · · · · · · · · · ·
<ol> <li>Is this waste considered non-hazardous by USEPA standard?</li> <li>YES</li> <li>AFTER COMPLETION OF QUESTIONS 1 THROUGH 9 PLEASE INITIAL</li> </ol>	
Tall Committee of Gotorions in incoding Family	
I. MPS CHANGE VERIFICATION	00/4
I hereby authorize CYCLE CHEM to amend and/or correct any informat	ion on the MPS with the still understanding that if any amendment or correct
performed, I will be contacted as such to issue my approval.	(nitial)
GENERATOR CERTIFICATION	
	uments is complete, contains true and accurate descriptions and is represen
o coveral certain uses and that all relevant information recarding and that all relevant information recarding	r suspected hazards in the possession of the generator has been disclosed
If CYCLE CHEM discovers, after having taken delivery of the waste, the	at any waste does not conform to the identification and description on this
then CYCLE CHEM shall provide notice of such condition to the Generator	and coordinate the return of the nonconforming waste to the point of origin
forth on the manifest or to such other locations designated in writing by	the Generator, Generator agrees to reimburse CYCLE CHEM for all har
pankaging, clean up and transportation costs or charges, damage to equi	pment, and costs associated with lost time incurred by CYCLE CHEM duri
r t, nandarig, temporary storage and rejurn of such nonconforming w	aste to point of prigin or to such other location designated by Generator.
IV YIM. NAVAUL'	(J)
- u surguina	(
Authorized Signature	Title
HI GHZOLHISKI	5/1'/175
Name (Print or Type)	Date /



: - GENERATOR MAIL TO - TSD'S STATE

# State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section ON 300 Tempon NJ 33625-2023

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SIMARY		••
14-7 - XAHZ528	empagency phone	(704)442· 4433
ECAL = 65702	•	Toll 5349
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Form \$700-10. Rev. 3.385 Previous aditions are involved.	SIGNATURE AND INFORM	a ton wost se legible on all coris



## PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management

P.O. Box 8550

Form approved.

_	Harrisburg, PA 17105-8550  GFICIAL PENNSYLVANIA MANIFEST FO	)RM					ĺ	Expires 9-30-94
ئے	LINECODAL MAZADDOLIC 1 Generator's US EPA ID No.	Manifest ocument No.	2. Pag	10 1	Informat	ion in	the si	aded area
↑	WASTE MANIFEST NJD 00 1 3 1 5 2 8 2 2 8		of	1				deral law
	Renerator's Name and Mailing Address NAPP TECHNOLOGIES INC.		A. State		but is red st Docun			
Н.	the contract of the contract o		P	F	18			
ŀŀ	199 MAIN STREET		B State	Gen. II			<u> </u>	<del>/</del>
H	LODI NJ 07644		3 119	73 Tr. 17 W. 18			U TEA	Sub Alge
Н	4. Generator's Phone (201) 733-3900  5. Transporter 1 Company Name 6. US EPA ID Number				AME			
П	1 · · ·	<i>- G -</i>	C. State				06	209
	REPUBLIC ENV. SVS. (PA) PADO 8 5 6 9 0 7. Transporter 2 Company Name 8. US EPA ID Number	3/2			i e			3
		201				(Z	15)	22-8
	REPUBLIC ENV. SYS. (TRANSGROUP) PAD 982661	381	6 t	Trans.	- 3		<u>-</u> 14 p	
	9. Designated Facility Name and Site Address  10. US EPA ID Number		PA	·   A	Н	0	<u>3 /</u>	71
	REPUBLIC ENVIRONMENTAL SYSTEMS (PA) INC.							22-20
	2869 SANDSTONE DRIVE				/'s ID 🤫			
	HATFIELD PA 19440 PAD 085690	572	H. Facil	ity's Ph	one (2/	5)	82Z	- 899
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Conta	iners		13. Total		14. Unit	j., j.
11		No.	Туре	0	Quantity		Wt/Vol	Waste
	B. WASTE FLAMMABLE LIQUIDS, COPROSIVE, N.O.S., 3, UN 2924,							D 0 C
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یٰ ا	(3-METHOXYPROPYLAMINE)	001	DF	ס סן	00	2	12	DOC
Ĕ	b. WASTE CORROSIVE LIQUIDS, N.O.S., 8, UNITGO, P.G. II	ſ .						
N	(DOOZ)			Į.		ļ	1 - 1	
Ř	(HYDROCHLORIC ACID, ACETIC ACID)	001	OF	00	01	0	P	DOC
🕈	CHYDROCHLORIC ACID, ACETIC ACID)  C. WASTE CAUSTIC, ALKALI LIGUIDS, N.O.S., 8, UNITIA, P.G. II							3/2 3/3/
ö								大学 通
R		001	D E	00	02	- 1	P	000
.	d. WASTE CAUSTIC, ALKALI LIQUIDS, N.O.S., 8, UNITIA, P.G.II	<u>†                                      </u>						
	(0002)	1					-	
	(AMMONIUM HYDROXIDE, POTASSIUM HYDROXIDE)	001	DM	00	09	3	P	DOC
'	Additional Descriptions for Materials Listed Above		K. Hano	iling Co	des for V	/astes	Liste	d Above
[	Lab Pack Physical State Lab Pack Physical State		14.1018		ong ngan Kababatan			
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			<b>b.</b>	501		d.	2 ،	01
	15. Special Handling Instructions and Additional Information 7-114							
	112. #56 LP5184				EM	ERG	ENC	r Phoi
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	V/b. ¥ 57				(20)	) i:	33-	3 100
	11c. # 55							
	//d. # 53							
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and marked, and labeled and are in all respects in proper condition for transport by highway according to applicable interm	accurately descri	bed above	by proper	shipping r	name a	nd are	lassified na
	marked, and labeled and are in all respects in proper condition for transport by highway according to applicable interni	ational and nation	nai governn	nent regula	ations.			
	If I am a large quantity generator, i certify that I have a program in place to reduce the volume and toxicity of waste ge have selected the practicable method of treatment, slorage, or disposal currently available to me which minimizes if small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste method.	enerated to the de the present and fu	gree I have	determin to humar	ed to be ed health an	onomi d the e	cally pra	ent; OA, if I
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l ↓	Printed Typed Name Signature Signature	a Na	V26			м 10	ONTH	DAY
Ţ	17. Transporter 1 Acknowledgement of Receipt of Materials	77010	/\/	<del>''</del>				/ /
Ř	Printed Typed Name Signature		7			М	ОИТН	DAY
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EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

MONTH DAY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

			-
Page	_1_	of	1

REPUBLIC	
FNVIRONMENTAL	
CVCTEAR	

### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: /	NAPP TE	CHNOLOGIES	INC.	Generator EPA ID Number:_	NJD00/315	28Z
		1828551				
Manifest Number:_		102000				

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	w w	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs*	Classification Group
	11(3)		X	DOOI - HIGH TOC KANTAGLE LIGUID	N	A
	11(6)		×	DOOZ - COPROSIVE PH < 2.0	N	A
	11(c)		*	DOOZ - CORROSIVE, PH > 12.5	N	A
	11(1)		*	DOOZ - CORROSIVE, PH > 12.5	N	ત
	11(2)		×	DOOZ - CORROSIVE, PH > 12.5	N	А
WW - Waster		<u> </u>		l vw	V Non-V	Vastewaler

W.W. - Wastewater

• The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039. D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

### Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

Classification Group D:

knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify/that I believe t	hat the information I s	submitted herein is true,	accurate and complete.		
I hereby certify that I believe the Signature:	da Vol.	Title: QC		Date:	5-17-95
Digitatio	7				

Manifest No: PAE 18285

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams

Please identify those constituents which are reasonably expected to be present in the waste referenced above. ck if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

)	Constituents	(√)	Constituents	(₹)	Constituents	(♣)	Constituents
	Acetons		Dibenzo(s,e)pyrene		Heptachlor spouds		Tetrachlorodibenso-forum
	Acenephthalene		1-2-Dibromethens (ethylens dibromids)		Hexachicrobenzene		TetrachlorodDenso-p-diction
-	A cenaphtlene		Dibramamethine		Hexachicrobundiens		1.1.1.2 Tetrachiorosthans
	Acetrontnie		2-4-Dichlorophenoxyserus said		Hexachicrosycloperastiene		1,1,2,2 Tetrachicrosthenes
	Acetophenone		Diphenylamine		Heuchlardhergo-frans		Tetrachicrostume (Tetrachicrosti
	2-acetylaminofluorene		1,2-Diphenyl hydrezine		Hexachlorodibento-p-dioxine		2.3.4.6-Tetrachicrophenal
	Acrylemitrile		Diphenyi Nitroremane		Resachierosthane		Toxaphene
	Aldrin		o.p-DDD		Hezachlaropropera	<u> </u>	1.2.4-Trichlorobergens
	Aldrin		p.p-DDD		Indeno(1,2,3,c,d)pyrene		1,1,1-Trichkorosthene
	Anitine		o.p-DDB		Iodenethene		- 1,1,2-Trichlorostylene
	4-Aminobiphenyl		p.p-DDB		Isobusanol		Trichlerosthylene
	•		o.p-DDT		Isodrin		= 2.4.5-Trichlorophenoi
	Anthricens American 1016		p.p-DDT		Isomfrais	***********	2.4,6-Trichlorophenol
	Aroclar 1016		Diberzo(s.h)anthracers		Kepana		1.2.3-Trichloropropure
	Arociar 1221		o-Dichlorobenzens		Methacrylonicals		1,1,2-Trichlero-1,2,2-triffnoro-the
	Aroclor 1232		m-Dichlorobenzese		Methapyrilene		tris(2,3-Dibremopropyl) phosphat
	Aroclor 1242		<b>-</b>		. •		_
	Arodor 1248		p-Dichlorobenzens		Methanol		Vinly chloride
	Aroclar 1254		Dichlorodiffuoremethens		Methoxychiar		Xylane(e)
	Aroclor 1260		1,1-Dichloroethane		3-Mathychiolanthema		INORGANIC CONSTITUENT
	uphs-BHC		1,2-Dichloroethans		4,4 Methylene bis (2 chlorosniline)		Cynthides (Total)
	bets-BHC		1,1-Dichlorosthylene		Methylana chlorida	-	Pluoride
	риппа-ВНС		trans-1,2 Dichlerosthess (2-Dichlerosthylans)		Methyl ethyl ketone		Sulfide
	Benzere		2,4-Dichlorophenol		Methyl isobutyl ketone		Antimony
	Benzo(a)arabascene		2.6-Dichlarophenol		Methyl methocrylate		Azomie
•	Benzo(b) Droumhene		1.2-Dichlaropropune		Methyl methannifonate		Berium.
	Benzo(k)fluorembens		cis-1,3 Dichloropropens		Methyl purethion		Beryllium
-	Binno(g.h.i)perylene		trans-1.3 Dichloropropers		Nuphthalene		Cadmium
	. Berazo(a)pyrene		— Dieldrin		2-Naphthylamine		Cremiss (total)
	Bromodichlorumethane		Dieftyi phthalate		p-Nitrouniline		Copper
			2,4-Dimetryl phenol		Nitrobertzene		Load
	Bromoform		Dimetryl phthalete		5-Nizro-o-tohnidina		Mercury
	Bromomethene (methyl bromide)		Di-n-buryi phtheiste		4-Nitrophenel	•	Nickel
	+Bromophenyl phenyl ether		<b>-</b>		•		Selenium.
	n-Butyl sicohol		I.4-Dinitrobenzena		N-Nitrosodiethylamine		
	Buryl benzyl phthalate		4,6-Dinitro-o-crusol		N-Nitrosodimethylamine		Silver
	2-sec-Buryl-4,6-dimitrophenal		2.4-Dinitrophenol		N-Nitroso-di-n-burylamine		Thallians
	Carbon disulfide		2.4-Dirátrotolusne		N-Nitrosconethylethlyamine		_ Venedian
	Carbon tetrachloride		2,6-Dinotrotomene		N-Nitrosamarpholine		TOLUENE
	Chlordane		Di-n-octyl phthlate		N-Nitrosamopipezidins		
	p-Chlorounline		Di-n-propytritroscamme		N-Nitrosopyrrolidins		
	Chloroberazne		Distriction		Parathion		
	- Chlorobenzilata		Endomifu I		Permichloroberezene		
	— Chloroditarumomethane		Endoralfan II		Pentachlorodibenzo-farans		
	Chloroethane		Endomifen sulfate		Pennschieredibenzo-p-dioxins		
	2-Chloro-1,3-butadiene		Endrin ,		Pentschloromitroberzene		
	-		Endrin aldehyde	<del></del>	Pentachlorophenol		
	bis-(2-chloroethoxy) methans		EGnyl scotate		Phenacetin		
	bis-(2-chloroethyl) ether		<del>-</del> '		Phenestrone		
	Chloroform —		Ethyl benzene		Phenal		
	bis(2-chloroisopropyl) ether =	-	Ethyl syarids				
	- h-Chloro-m-cresol		Ethyl ether		Phorete		
	Chloromethans (methyl chlorids)		his-(2-ethylhexyl) phthulate		Phthelic Anhydride		
	2-Chloronaphthalene		Ethyl methocrylate		Pronamada		
	2-Chlorophenol		Ethylene oxide		Рутски		
_	3-Chloropropens		Famplax		Pyridine		
	(3-Chloropropylene)				Saftole		
	Chrysene		<del>-</del>				
	~Cred		Phorens		Silvex(24,5-TP)		
	Cresol (mětp isomezs)		Fluorotrichloromethone		24,5-T		
	,,		Heptachlor		1,2,4,5-Tetrschlorobergene		

### REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division

ID NO.:	A War of Marie Hazard Class: 8
QUANTITY	DESCRIPTION OF MATERIAL .
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× 12+	10 10 10 10 10 10 10 10 10 10 10 10 10 1
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	$\sim Le^{+}e_{c}^{-}d$
1 24	Mi Clan
× 16+	Inthermal conforting stoner un un 44T1
	T. '0 V
19-	(10104
1921	Anamorica Hadrovite
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	93#
	TOTAL WEIGHT:
	877490318
	VI 730010

### REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC.

Lab Pack Division 2337 North Penn Rd. Halfield, PA 19440 Phone (215) 822-2676 Fax (215) 997-1315

RATOR: Na.2 157644 EPA ID NO.:

MANIFEST NO.:

DISPOSAL CODE: 40 ACV) LAB CODE: 6512

D.O.T. PROPER

 $\sim \hat{f}_{\mathbf{v}}^{(i)}$ 

SHIPPING NAME:

HAZARD CLASS:

E.P.A. WASTE

TYPE CODE: UN/NA: 17.7

QUANTITY	DESCRIPTION OF MATERIAL
10 × 10+	unkerson Sample 11'5 2.3
5 x 202	•
	non a reserve, Elich so, n+ sime inch
	water reactive non to tree air coron de
	mater reactive non and text an error de
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<del>-</del>	TOTAL WEIGHT: (Z/#)
3	877490319

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd.

RATOR: M	Pack Division North Penn Rd. eld, PA 19440 (215) 822-2676 215) 997-1315  7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	DISPOSAL CODE: LICACUL LAB CODE: LPS/EV  D.O.T. PROPER SHIPPING NAME: LUSCIE CACASTRELL. TO SOLUTION  HAZARD CLASS:  E.P.A. WASTE TYPE CODE: DATE 1/7/3
QUANTITY		DESCRIPTION OF MATERIAL
/ 14	the Lood year and	Ward Flux.
1/22	Historialist & and i	l'amatera ail Misture
•		
<b>&gt;</b>		
		TOTAL WEIGHT:

## REPUBLIC ENVIRONMENTAL SYSTEMS OF PA., INC. Lab Pack Division 2337 North Penn Rd.

2537 North Pelin No. Hatfield, PA 19440 Phone (215) 822-2676	DISPOSAL CODE: A.U. LAB CODE: LP5/8
Fax (215) 997-1315	DOT PROPER
G RATOR: Alayor Tollandon S. 199 Mis a Street	SHIPPING NAME: White - have a le ( )
11.920, In Fr	HAZARD CLASS:
EPA ID NO.: NJO 100/3/5222	EP.A. WASTE TYPE CODE: 2007 UNINA: 297
MANIFEST NO.: PAR 122 22 22	-2/-A
DRUM NO.: 56 CONTAINER: 550	PAGE OF DATE
QUANTITY	DESCRIPTION OF MATERIAL
17+ 3/10- 1 hory 200341	Anne
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	TOTAL WEIGHT: 2生
	877490321

Page	1	of	2
		~.	

Min	ENVIRONMENTAL LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM
	Generator Name: N3222 Technolog, -5 /11C. Generator EPA ID Number: NJD 001315282
	Manifest Number: PA-E 1 8 2 8 4 2 2
	The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
ED 38312	114:		×	Scoll High Too landale Liquid	4.	4-
A7 38313	116		1	roof High Total partable 1 ands	7	4
				,		
						<u></u>
						Vactorial

W.W. - Wastewater

Dept. IOL I

V.W.W. - Non-Wastewater

\* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

### Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe	that the information I	submitted herei	n is true, accurate and comple	ete. Date: <u>\$</u>	107/	95
	1		•	1	7	

### UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Page Zo

Lab Code:			e.	Manifest No:		
	For F001-F005, F039	, D001, D002 &	D012-D043 Wa	ste Streams	g\$43 **	

Please identify those constituents which are reasonably expected to be present in the waste referenced above. cck if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

)	Constituents	(₹)	Constituents	<b>(4</b> )	Constituents	(♣)	Constituents
	Acetane		Dibertzo(a.e)pyrene		Heptachlor epoxids	_	Tetrachiorodibenzo-forms
	Acemphibalene		1-2-Dibromethane (ethylene dibromide)		Hezachloroberszene		Tetrachiorodibento-p-diorine
			Dibromomethate		Hexachlerobundiene		1.1.1,2 Tetrachicrostage
	Acetrontrile		= 2-4-Dichlorophenoxyscene seid		Hexachlorocyclopentadiene		1.1.2.2 Tetrachiorosturas
	Acetophenone		on Diphenylamine		Hexachlorodiberno-farare		— Tetrachicrostume (Tetrachicrost
	2-sestyleminoflucture		1,2-Diphenyl hydrazine		Hexachlorodiberno-p-dioxine		2,3,4,6-Tetrachicrophenol
	•		Diphenyl Nitrosamus		Hexachlorosthans		Totaphene
	- Acrylenitrile		. o.p-DDD		Hezachkoropropens		1,2,4-Trichlorobergene
	Aldrin		p.p-DDD		Indeno(1,2,3,c,d)pyrene		1.1.1-Trichlorosthess
	Aldrin				Iodomethane	-	1,1,2-Tricklerorttylene
	Anilina		_ o.p-DDB		Isobumnel		-
	4-Aminobiphenyl		_ P.P.DDB		i.		Trichicrostrytene
	Anthracene		_ c.p-DDT		Leodrin.		2,4,5-Trichlorophenol
	Arocler 1016		_ p.p-DDT		Isomfrois		2.4,6-Trichlarophenol
	Aroclor i221		Dibenzo(s.h)unitescens		Keptra		1,2,3-Trichloropropune
	Arodor 1232		o-Dichlorobenzene		Methocrytonistile		1,1,2-Trichloro-1,2,2-triffnorosts
	Aroclor 1242		m-Dichlorobenzens		Methapynians		tris(2,3-Dibramopropyt) phosphe
	Aroclor 1248		p-Dichlerobenzens		Method		Vinly chloride
	Aroclar 1254		Dichlorodiffuoramethane		Methoxychica		Xylene(s)
	Aroclar 1260		1.1-Dichlorosthane		3-Methychiolanthrene		INORGANIC CONSTITUEN
	•		1,2-Dichloroethers		4.4 Methylene bis (2 chlorosniline)		Cyenides (Total)
	alpha-BHC		-		Metrylane chloride		- Financia
_	beta-BHC		1,1-Dichloroettylene		to the second second	<del></del>	<del></del>
	gumu-BHC		trans-1.2 Dichlorosthens (2-Dichlorosthylens)		Methyl ethyl ketone	-	<del>Salado</del>
	Betzens		2,4-Dichlorophenal		Methyl isobusyl ketons		Animany
	Bermo(a)anthracene		2.6-Dichlorophenol		Methyl methocrylate		— Aprile —
	Benzo(b)fluounthene		1.2-Dichloropropuns		Methyl methoretiforate		Berium.
	Bergo(k)finoranthese		cis-1,3 Dichlaropropens		Methyl purattion		Berylkum ·
	Berzo(g.h.i)perylena		trans-1.3 Dichloropropens		Nephstulene		Codmism
	Benzo(a)pyrene		Dieldrin		2-Naphthylamine		Chromine (total)
	Bromodichloromethane		Distryl phthalate		p-Nitrosniline		Copper
	Bramofarm		2,4-Dimetryl phenol		Nitrobergane		 Lord
	Bromomethuse (methyl bromide)		Dimethyl phthalate		5-Nitro-o-tohuidina		
	-		Di-n-busyl phtheiate		4-Nitrophenol		Nickal
	+Bromophenyl phenyl ether		<b>-</b>		N-Nitropodiethylamine		Selecion
	n-Butyl alcohol		1,4-Dinitrobenzens		1		<del></del>
	Butyl benzyl phthalau		4,6-Dinitro-o-cresci		N-Nitrosodimethylamine		Silver
	2-sec-Butyl-4,6-dimitrophenol		2.4-Dinitrophenol		N-Nitroso-di-n-busylamins		Thallium
	Carbon disulfide		2.4-Dinitrotoluens		N-Nitrosamethylethlysmins		Verseinen
	Carbon tetrachloride		2,6-Dinotrotolnens		N-Nitrosomorpholine		_ TOLUENE
	Chlordane		Di-n-octyl phthlate		N-Nitrosomopiperidins		•
	p-Chlorountline		Di-n-propytritrosonnine		N-Nitrosopyrrolidins		
	Chloroberizana		Disalfoton		Parathion		
	Chlorobenzalste		Endovolfan I		Permehlerobenzens		
			Endowlfen II		Parachiarodibarzo-furuw		
	Chlorodibromomethane		·		Pennschlorodibenzo-p-dioxina		•
	Chlorosthans		Endoralian rulfate		•		
	2-Chloro-1,3-butadiene		Endrin .		Permichloruritrobenzene		
	bis-(2-chlorosthoxy) methans		Endrin aldehyde		Perm chlorophenol		
	bis-(2-chloroethyl) ether		Ethyl scelate		Phenacetan		
	Chloroform		Ethyl benzene		Phenenthrese		
	bis(2-chloroisopropyl) ether		Ethyl cyanide		Phenoi		
	p-Chloro-m-aced		Ethyl ether		Phorase		
	Chloromethane (methyl chloride)		bis-(2-ethylhexyl) phthalate		Phthalic Anhydride		
	2-Chloronaphthalene		Ethyl methocylete		Pronamide		
	2-Chlorophenol		Ethylene oxide		Pyrone		
	3-Chloropropens		Fumpler		Pyridine		
	(3-Ciloropropelas)		. wiijana		•		
	Chrysene		Flucranthene		Safrole		
	~Cread		Pluorene		Silves(2.4,5-TP)		
	<del></del>				•		
	Cresol (m&p isomers)		Fluorogrichloromethane		24.5-T		

## REPUBLIC ENVIRONMENTAL SYSTEMS (PENNSYLVANIA), INC.

2869 Sandstone Drive / Hatfield, Penna. 19440

<u> </u>	<u> </u>								
ed, subject to the classification and tariffs in effect on the rissue of this original Bill of Lading:  STRAIGHT  BILL OF LADING  NON NEGOTIABLE			PROCESSING FACILITY						
E OF PICKUP 5//7/95 EPA IDENTIFICATION	FOR DIGINAL ST/17/95 FRA IDENTIFICATION CODE NO NOTO 70/3/62 82								
VERATOR NOP Technologies	ADDRESS_A	199	Mai	n street					
Y_Cod!	STATE_NJ	ZI	P_ <b>O</b> 7	CYY PHONE	<u> 201)</u>	733-3900			
		Conta	inare						
JS DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			Туре	Total Quantity	Unit Wt./Vol.	Waste No.			
RQ Waste N.N. Dinethyl ? UNZZGS, PGTIE C RQ Waste Heptane, 3, C		000		5	DOOS				
JUNEZES, POIL	1007	001	DM	<u> </u>		<i>D</i>			
PG.TT (DOOD)	N1206	001	DM	55	5	Dool			
PO.11 (DOOI)		001	177						
		]							
ditional Information/Lab Code		L			لــــــــــــــــــــــــــــــــــــــ	<del></del>			
ED 38312	c								
14D 38313	d								
'AL HANDLING INSTRUCTIONS/COMMENTS			PL/	CARDS PROVIDED	/AFFIXE	D			
ntract No)			1. Elamable DRIVERS SIGNATURE						
IERGENCY INFORMATION![!	<del></del>	CALL: CHEMTRECT 1-800-424-9300							
I Generator, (print) (201) 733 - 39	00	Phone No. A/C							
ENERATOR CERTIFICATION:  certify that the materials described above are properly described, classified, packaged, marked and labeled and are in proper condition to be transported in commerce under the applicable regulations of the Federal Environmental Protection Agency and the flederal Department of Transportation, and that all times and delays are correct as noted.  Print Name Signature Signature Date Shipped									
MPANY Republic Env. Sys. (Trans Group) ADDRESS ZI Chinal Ro.									
Y Hatfield STATE PA ZIP 1940, PHONE (215) 827-8676									
s is to certify acceptance of the above described waste for transportation.  INT NAME Wark Off SIGNATURE Waste for transportation.  DATE 5/17/55									
A.M.	P.M.		<del></del>			1 44 124			
PARTED	j	UBLIC EN	VIRONM	ENTAL		A.M. P.M.			
PARTED ARRIVE REPUBLIC ENVIRONMENTAL TOTAL DELAY TIME									
ARTED LOADING REASON FOR DELAY									
D LOADING									
PARTED CUSTOMERTRAILER NOTRAILER NO									
NOIGNEE (TOEATMENT/STORAGE/DISPOSAL FACILITY - 534	IDENTIFICATION COST	10 104	000	56905	92				
NSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PADO 8 56 90 59 2  NSIGNED TO LEAVE C. F.N. SYS. (PA) ADDRESS.									
179 + F. + 18 STATE DA ZIP 19440 PHONE \$15 822-8995									
IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL  INT NAME DATE									
The state of the s	OIGHNIUNE								
:e · GENERATOR FILE Yellow · B	SETURN TO GENERATOR								

- TRANSPORTER FILE

an - PROCESSING FACILITY

877490324



## PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management P.O. Box 8550 Harrisburg, PA 17105-8550

Form approved. OMB No. 2050-0

Ε	R-WM-51 REV. 1/91 OFFICIAL PENNSYLVANIA MANIFEST					Expires 9-30-94			
1	UNIFORM HAZARDOUS  1. Generator's US EPA ID No.  WASTE MANIFEST NJD 0013152822	Manifest Document No. 8422	2. Page of	1 Information is not requi	red by Fe	ederal law			
	Generator's Name and Mailing Address Nan Technologies Inc.		A. State	Manifest Documer	nt Numbe	r _3, 980			
	199 Man street Lodi, NJ 07644		B. State (	E 182	042	· <b>Z</b> [ ]			
	14. Generator's Phone (201)733-3900		Sine						
$\  \ $	5. Transporter 1 Company Name 6. US EPA ID Num	ber	C. State 7	rans. ID NT					
	7. Transporter 2 Company Name  8. US EPA ID Num  8. US EPA ID Num			porter's Phone	21573				
	Republic EN. Sys. (Trans Grap) IPAD 98266	01381	E. State	rans ID					
	9 Designated Facility Name and Site Address REPUBLIC ETV, conments Systems (TA) In	ber	PA-	oorter's Phone	7/05	277-71			
	2869 Sandstone Drive	0 -	G. State I	Facility's ID	4.4%	12-6			
	Hatfield, PA 19440 IPAD 08569	0 5 9 Z	H. Facilit	y's Phone (2/5	14.	899			
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	No.	Туре	Total Quantity	Unit Wt/Vol	Waste			
	* RQ Waste N, N Dinethyl Formanide, 3					74.3			
G	"RQ Weste Heptane, 3, UN1206, Pall	001	DMK	0005	56	000			
GEZE	PRQ weste Heptane, 3, UN1206, Pall								
R	(DOO1)	001	DMK	2005	56	D0 (			
TO	c.								
R									
	d.		1						
'	Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack Physical State		K. Handii	ng Codes for Was	tes Liste	d Above			
Ì	LIT (ED 38 312) .	Transfer of the Control of the Contr	• 5	01	arotikeri Carara	14.00 (14			
	6 L L I (AD38313) 6 L		ь. У	0]					
	15. Special Handling Instructions and Additional Information 7-//7	EMPC	900	Cy Ph	on e	<del></del>			
		/-	.\ <u>.</u> _	(y Ph. 133-3	<u> </u>	_			
$\  \ $		(20	177	33-3	90	đ			
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully marked, and labeled and are in all respects in proper condition for transport by highway according to applicable in	and accurately describ	ed above by	/ proper shipping nam	e and are	classified, par			
	If I am a large quantity generator. I certify that I have a program in place to reduce the volume and toxicity of was	ste generated to the der	oree I have r	determined to be econ	omically see	acticable and			
	If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of was have selected the practicable method of treatment, storage, or disposal currently available to me which minimize small quantity generator, I have made a good faith effort to minimize my waste generation and select the best was	zes the present and full iste management method	ure threat to od that is av	human health and that all that					
<b>↓</b>	Printed/Typed Name AI GAZOAISK: Signature	Dardo	lsk	i	MONTH 05	/ 7 C			
H	17. Transporter 1 Acknowledgement of Receipt of Materials Printed Typed Name Signature	101.	11		МОПТН	DAY			
200	18. Transporter 2 Acknowledgement of Receipt of Malerials	L 0,	4		05	<u> </u>			
RANSPORTER	Printed/Typed Name Signature				MONTH	DAY			
	19. Discrepancy Indication Space				L				
F A C	·								
۱	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this	manifest except o	s noted in	Item 10					
{	Printed/Typed Name Signature		- noted II	rosiii is.	MONTH	DAY			
Ý									
EP/	A Form 8700-22 (Rev. 9/88) Previous editions are obsolete								



217 South first Street, Elizabeth. NJ 07206 • 908-355-5800. FAX: 908-355-0562

CYCLE CHEM, INC.
217 S. FIRST ST.
<b>ELIZABETH NJ 07206</b>
NJD002200046

### LAND DISPOSAL RESTRICTIONS NOTIFICATION AND CERTIFICATION FORM

<u>''</u>	nclogies IncMa	nifest Number	7109347
700013	nclog l'es Inc. Ma 315282		
vailable? $\underline{\nu}$	No Yes, Copy	Attached	
RMATION			
		S)	CCI PRODUCT CODES
PA NO.	TREATABILITY GROUP		
001		that are manag	ed in non-CWA/
002	Corrosive Characteristic non-CWA/non-CWA		
002 012-D043		ivalent/ non-C	lass 1 SDWA Systems
	non-CWA/non-CWA equently wastes that are TC bases	ivalent/ non-C	lass 1 SDWA Systems
012-D043 DOUS CONSTIT 043 OR F039 W	non-CWA/non-CWA equivalent are TC bases TUENTS ASTES ABCDABCD	ivalent/ non-C	lass 1 SDWA Systems in SW846 Method 13
012-D043 DOUS CONSTIT 043 OR F039 W	non-CWA/non-CWA equivalent equivalent are TC bases TUENTS ASTES ABCDABCD	ivalent/ non-C	lass 1 SDWA Systems in SW846 Method 13
DOUS CONSTITUTES OR F039 W	non-CWA/non-CWA equivalent are TC bases TUENTS ASTES ABCDABCD	ivalent/ non-C	lass 1 SDWA Systems in SW846 Method 13
	RMATION W LIST WW WAS REQUIREMENT Delow contains	RMATION W LIST ALL EPA HAZARDOUS WW WASTE CODES (RCRA CODES REQUIREMENTS FOR WASTES THAT Delow contains underlying hazardous conservations) PA NO. TREATABILITY GROUP DO 1 Ignitable Characteristic High TOC Subcategory,	RMATION  W LIST ALL EPA HAZARDOUS  WW WASTE CODES (RCRA CODES)  REQUIREMENTS FOR WASTES THAT EXHIBIT A Code on tains underlying hazardous constituents as defined as the code of the code

ack contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or s astes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties abmitting a false certification, including the possibility of fine or imprisonment."

IV. R	<b>ESTRIC</b>	<b>TED WASTE N</b>	OTIFICATIO	)N			077400007
	LINE	RCRA	ww	N	IWW	APPLICABLE	877490327
	ITEM	CODE				SUBCATEGORY	•
	ABCD			ı	1		
	ABCD		ii	_	j –		4
1	_		ii	í	i –		
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	ABCD_		[ ]	ι	, –		
V FO	01 - F00	5 SPENT SOL	WENT WAST	TE CONS	· · TTTTT	NT(S)	
	F001		F002	ABCD	F003	* . *	ADOD
ADCD		-	F002	ABCD	-	ABCDF004	ABCD
		acetone				ethyl ether	
		benzene	.1		_	methanol	
		n-butyl alcoho				methylene chloride methyl ethyl ketone	•
		carbon disulfic				methyl isobutyl ketone	
	_	carbon tetrach			_	nitrobenzene	
	_	chlorobenzene				pyridine	
		m-cresol				tetrachloroethylene	
		o-cresol	•			toluene	
		p-cresol				1,1,1-trichloroethane	4
		cresylic acid				1,1,2-trichloroethane	*
		cyclohexanone			_	trichloroethylene	_
		o-dichlorobena	zene			trichloromonofluorome	
		ethyl acetate	•			1,1,2-trichloro-1,2,2-tri	fluoroethane
	ABCD_	ethyl benzene			ABCD_	xylenes	
VI.C	ALIFORN	ila list was	TES			•	
V 2. O2		NICKEL ≥ 134 m					
		LIQUIDS WITH F		Л			
		THALLIUM ≥ 130		-			•
		HALOGENATED		RBON (HO	C's) ≥ 100	00 mg/1	
	_					-	
		ARDOUS WAS					
						ny land disposal restriction	
CFR S	ubpart D	and all applicable	e prohibitions			8 or RCRA Section 3004	( <b>d</b> ).
VBCD	NON H	AZ CODE X 40 AZ CODE				Z CODEAZ CODE	
ABCD.	_ NON IN	AZ CODE		ABCD_	NON III	AZ CODE	
WIII (	CERTIFI	CATTON					
			ned and am f	omiliar wit	h the w	aste through analysis an	d testing or ti
						escribed on this page doe	
						Section 3004(d), and all ar	
		opriate regulator					
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	- 1	11)	[] <sub>2</sub> ()			-lislar	•
Signat	ure:	is son	ouxex	4	Da	te: <u>3/18/75</u>	
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Print I	Name:	<u> </u>	<u>ZaHISt</u>	11	Titl	le: <u> </u>	Revis

rm 8700-22 (Rev. 9/88) Previous editions are obsolete.
GENERATOR MAIL TO - TSD'S STATE

## State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section

Benerator's Phone 1 Transporter Company Name 6. US EPA ID Number C. State Trans. ID-NUDEPE Description Name B. US EPA ID Number Description Name B. US EPA ID Number Description Name B. US EPA ID Number Description Name Additional Package of State Package Name Description Name Additional Package of State Package Name Description Name Additional Package Office Name Name Name Name Name Name Name Nam		Manifest Section CN 421, Trenton, NJ 0				
WASTE MANIFEST  Serverators raturns and stating Access and State Generator's Indicated the serveration of the state of the serveration of the state of the serveration of the state of the serveration of the state of the serveration of the state of the serveration of the state of the serveration of the state of the serveration of the state of the serveration of the serverat					ovea. OMB Nc. 205	0-0039 Exaires 9-30-9
B. State Generator's Dickers Size Address  OS EPA D Number  C. State Trans. ID-NUDER  Transporer 2 Company Name  8. US EPA D Number  Decad No.  F. Transporer's Proces  Decad No.  F. Transpore	ONIFORM MAZAMOOOS	· Generator's US EPAID No. NTIMOUIFINE	Document No.			
Generator's Phones  Transporter - Comcan's Name  S. US EPA ID Number  C. State Trans LOADEPE  Deck No.  De	Generator's Name and Mailing Address			A. State Ma	nifest Document N	umber
Service of Photos  General Name  6. US EPAID Number  C. State Trans. ID-NUDEPE Decining Decin	DAPP TECHNIC		•	N	JA 210	12322
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SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

THIS SHIPPING ORDER: must be legibly filled in, in Init, in Indelible Pencil, in Carbon, and retained by the Agent.	or	Shippe	er's No. 🏒	1-58	311	
CARRIER: CLEAN VENTURE TWO	SCAC	Carrie	er's No	Nº0 Date	023	82
1: Cycle Chemide signee 217 S. FIRST ST Sweet 217 S. FIRST ST Destination Elizabeth NJ Zip 07206 Route:	Street	199 1 10DT	Chemi Main S NJ Vehicle Num	<b>Σ</b>	Zip ()	
No. Shipping HM (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD Class	I.D. Number	PACKING GROUP	WEIGHT (subject to correction)	RATE	LABELS (or ex
14 Empty drums NON DOT! NON PCRA	7017	•		•		No
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		<u>.</u>				
Remit C.O.D. to:  Address: City: State: Zip:	COD	Aı	mt: \$		C. O. I Prepaid Collect	). FE
NOTE - Where the rate is dependent on value, shippers are required to state specifically in with agreed or declared value of the property. The agreed or declared value of the proper hereby specifically stated by the shipper to be not exceeding \$ Per	Ty IS The corner shall not make delivery of the (Signature of Consignar)	lolowing sizzement he shement without p	ayears of league and all after	and depar	PREF	_ 1_1
RECEIVED, subject to the classifications and lawfully filed tarffs in effect on the date of issue of this B packages unknown), marked, consigned, and destined as indicated above which said carrier (the word car contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver or any portion of said route to destination and as to each party at any time interested in all or any said governing classification on the date of shipment.  Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification.	rier being understood throughout to to another carrier on the route to a property, that every service to be	this contract as laid destination performed he	meaning any persor It is mutually agreed reunder shall be sub	or corporation in as to each carrier ject to all the bill o	possession of the of all or any of, so of leding terms ar	property u sid properti id condition
s to certify that the above-named materials are properly cleanified, described, packaged, marked and are in proper condition for transportation according to the applicable regulations of the week of Transportation.		<del></del>	PLACARDS SUPPLIED		NO - FURNI SIGNATURE:	SHED BY
SHIPPER: 72 A DO AHE MICH (XO	CARRIER:	Flea	nde tu	DE INC		
DATE: 5/18/95	DATE:	25/	B/95	Material in i	n transports	tion
TELEPHONE NUMBER:	including store	age incide	ental to transp	ortation (172	2.604).	



CLE CHEM, INC. S FIRST ST

### LAND DISPOSAL RESTRICTIONS NOTIFICATION AND CERTIFICATION FORM

erator	Japo Chemica	el INC	Manifest N	umber
PA ID No	NJD 00131	5282		
aste Analy	sis available?	X_ No	Yes, Copy Attache	ed
ANIFEST	NFORMATIO	N		
LINE	ww	LIST ALL EPA F	IAZARDOUS	CCI PRODUCT
ITEM	NWW	XWASTE CODES	(RCRA CODES)	CODES MSPOSI
<u>b)</u>	NMM	F003, 2001		IK
			ASTES THAT EXHIB	BIT A CHARACTERISTIC as defined in 268.38
: ITEM	EPA NO.	TREATAI	BILITY GROUP	
D_ DOO1		High TO		except for the 261.21 (a) (1) managed in non-CWA/ 1 SDWA Systems.
ED_	D002		c Characteristic Wastes, \non-CWA equivalent/	that are managed in non-Class 1 SDWA Systems.
<b>D</b> _	D012-D043	Wastes ti	nat are TC based on the	TCLP in SW846 Method 131
_		ONSTITUENTS		
	(AZARDOUS CO 012-D043 OR F	039 WASTES		
1, D002, D0 ABCD_	112-D043 OR F		ABCD	
ABCD_ ABCD_	)12-D043 OR F		ABCD	
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mitting a false certification, including the possibility of fine or imprisonment."

RECYCLING TREATMEN	IT & DISPOSAL OF HAZARDOUS	<b>E</b> N	217 SOL ELIZABE (908) 355	JTH FIRST STREET ETH, NJ 07206 5-5800	MATERIAL PROFILE PRODUCT CODE PROCESS CODE	SHEET
GENERATOR INFORMATION	GEN	IERATOR (	JS EPA I.D.			
35649 Nano (1	encical INC	NERATOR	STATE I.D.	<u> </u>		
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PHYSICAL CHARACTERISTIC	S OF WASTE					
LORNISUAL DESCRIPTION	STRONG INCIDENTAL ODOR PRESENT?	☐ YES Ø NO	☐ solid	SICAL STATE @ 70°F	PHASE TYES	LE?
WASTEWATER	DESCRIBE		XI LIQUID  ☐ POWDER	>₹3 BI-LAYE	AYERED TYES	□ N
NONWASTEWATER	DESCRIBE		SEMI-SOL		Pourable?	□ N
CORROSIVITY (pH)	SPECIFIC GRAVITY			FLASH POINT	LIQUID/S	OLID
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	.8-1.0		] 70°F - 100°F ] 101°F - 141°F	·	Solids Solids	
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OTHER HAZARDOUS CHARAC	TEDIETICE		<del></del>	L HANDLING CONSID		
ICATE IF THIS WASTE IS:  RCRA REACTIVE WATER REACTIVE RADIOACTIVE OXIDIZING MATERIAL	SUBJECT TO NESHAP BENZENE REGULATIO ETIOLOGICAL PESTICIDE MANUFACT EXPLOSIVE/SHOCK SE NONE OF THE ABOVE	NS URING WA	FF (2 <u>V S</u>			
CHEMICAL COMPOSITION		RANGE		INDICATE IS THE		
water	5	MINMAX	√. 46 46	2. INDICATE IF THIS FOLLOWING:	WASTE CONTAINS ANY	OFIN
LAODYOBAMOL		ිට -	96	NONE		TUAL
		_	96	PCB's Cyanides	□ <50 ppm	PP
		_	96	Phenolics 2	□ <50 ppm	PP
		_	96	Sufficies	□ < 500 ppm	pp
			96	MSDS ATTACH		•
	* :		%		TAL ANALYSIS ATTACHE	_
	**************************************	_	70 64	JESONIBE:		
		-	94.	<del></del>		
	TOTAL (MUST BE ≥ 100%	100	% ' %			· ·

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E. METALS/OF	RGANICS	(mg/kg or ppm)	☐ EP T	ох 🔼 т	CLP	TOTAL	FLIQU	D W4675	CHARACT	
	EP TOX	LESS		EPTOX	LESS	1	Fuels	MASIE	CHARACTE	:HI
METAL	EPA CODE		METAL	EPA CODE		ACTUAL				
Arsenic	D004	Q < 5.0	Hexachlorobenzene	D032	C < 0.13		ORGAN	IC PHASE _	96	- 1
Barium Yozene	D005 D018	☐ <100 □ <0.5	Hexachloro-1,3-butadiene Hexachloroethane	D033 D034	☐ <0.5 ☐ <3.0		+ AQUE	EOUS PHAS	SE %	, , T
4dmium	D006	C < 1.0	Lead	D008	□ <5.0					- '
arbon tetrachloride	D019	O < 0.5	Lindane	D013	□ <0.4				NGE	
Chlordene	D020	□ < 0.03	Mercury	D009	[□ <0.2		HEAT VA	'LUE		1
Chlorobenzene	D021		Methoxychlor	D014	<u>[</u> □ <10.0		TOTAL F	<b>IALOGENS</b>	%	
Chloroform	D022	□ <6.0	Methyl ethyl ketone	D035	₽ <200.0		ASH CO	NTENT	<u> </u>	
Chromium o-Cresol	D007 D023	□ <5.0 □ <200.0	Nitrobenzene Pentachiorophenol	D036 D037	☐ <2.0 ☐ <100.0		% SULF	UR 🗌 <0.	5%	
m-Cresol	D024	☐ <200.0	Pyridine	D038	☐ <5.0		BS&W_			
p-Cresol	D025	□ <200.0	Selenium	D010	=					
Cresol	D026	□ <200.0	Silver	D011	☐ <1.0 ☐ <5.0					
2,4-D	D016	☐ <10.0	Tetrachioroethylene	D039	<b>□</b> <0.7				c _	
1,4-Dichlorobenzene	D027	□ <7.5	Toxaphene	D015	<b>[</b> □ < 0.5			mg/l		
1,2-Dichloroethane	D028 D029	③ < 0.5 ☑ < 0.7	Trichloroethylene 2,4,5-Trichlorophenol	D040 D041	₩ < 0.5			mg/l		
1,1-Dichloroethylene 2,4-Dinitrotoluene	D030	□ <0.13	2,4,6-Trichlorophenol	D042	∰ <400.0 ⊞ <2.0			mg/l		
Endrin	D012	G < 0.02	2,4,5-TP (Silvex)	D017	G < 10		OIL & GI	REASE	mg/l	
Heptachlor			Vinyl chloride	D043	☐ < 0.2		TOX	mg/l		
(and its hydroxide)	D031	☑ <0.008	Copper Zinc	NA NA	☐ <100.0 ☐ <500.0		HOC	mg/l	•	
	<del></del>								<u>-</u>	
			G. SHIPPING/MAN						<del></del>	
SHIPMENT METH	OD		50.50	1	LATORY IN			_		
BULK LIQUID		OTHER (SP	ECIFY)	USEP	A HAZARDO	OUS WASTE	?	TYES	NO	
BULK SOLID				USEPA	HAZARDO	OUS CODE	Sì		X	
	⊔ <u>ro</u>			1		<b>-</b> •	-,			
DRUM (SIZE)	72			J APPLI	CABLE SUE	SCALEGOR	ES		· · · · · · · · · · · · · · · · · · ·	
ANTICIPATED VO	LUME 🗔 G		· · · · ·	STATE	HAZARDO	US WASTE	,	□ YES	□ NO	
3		🗆 tonš 🗀	CUBIC YDS.		=			_ :	Ľ NO	
- (QUANTITY)		NETIME [] O	UARTER	1	STATE COD	)E(2)	—— <del>`</del>	755	<del></del> -	
PER	<u> </u>	NE TIME CO	UARTER	J D.O.Т.	HAZARDOI	JS WASTE	,	YES	□ NO	
TRANSPORTER:		····			ER SHIPPIN				X	
TRANSPORTER P	HONE/CON	ITACT:		FRUP	EN SHIPPIN	AG IAWNE	_			
				7 10 2	<del>/ _ ( </del>	771 Car	<del></del>	<del>, , , , , , , , , , , , , , , , , , , </del>	1333	<u>।</u> जन्म
ANSPORTER U	ISEPA I.D. L			CLASS		I.D. NO		P.G	R.Q	
				<u> </u>		ے محرق ر				حيث
H. WASTE CER	TIFICATIO	N			<b>).</b>	J () 1 0 2		1	· A CA	,
1. Does this wast	e material co	ontain polychlorinate	d biphenyls? YES	NO _	<u> </u>					
2. Does this wast	te material co	ontain herbicides or	pesticides as described in	the 40 CF	R Part 261.	24 Table #1	, Waste	Nos. DO12-	DO17?	
YES		·								
3 Does this wast	e material co	ontain or ever contain	the listed "spent" solvent	s which wo	uld classify t	he waste as	any or a	II EPA Wast	te Nos F001,	F002
			NO <u>~</u>	_						
		ontain leachable leve	els of any of the metals co	overed by E	PA Waste N	Nos. D004 t	hru D011	as per 40 (	CFR Part 261	.24?
YES	_ NO <u> </u>	<del></del>								
			d by 40 CFR Part 261.31	Waste No:	s. F020, F02	21, F022, F0	)23, F02(	5, F027, F02	28?	
YES	_ NO <u>_</u> <u>X</u> _	<del></del>				X .		_		
6 le thie waste m	atarial a "Ca	ilitornia I iet" wasto :	s per 40 CFR Part 268.3	27 YES		$\sim$	,		PCB ≥ 50	Ni i
6. Is this waste m		antoine Cot Weste, t	s per 40 CFR Part 261.24	s vee			<del>-</del> .	,	10C ≥ 1000	, חי
7. Does this wast	e material co	N. 18 . #47 175	s per 40 OFFI Fait 201.24	1 CS	224 22	074 070	_		<b>&gt;</b>	
			wastes as defined per 40			261.33?	7ES	NO	<del>-7\</del>	
9. Is this waste co	onsidered no	n-hazardous by USI	EPA standard? YES 🔫	<b>├</b>	U <b>i</b>	<b>-</b>				
10. Is this waste cha	aracteristic fo	r D001, D002 and D018	3-D043 and will be managed	in non-CW	A, nof-CWA	equivalent a	nd non-Cl	ass I SDWA	systems (exce	ot for
CFR Part 261.21	(a) (1) High	TOC subcategory)?	/es No				$\lambda$			
			constituents as defined in 4	UCHR Part 2	708.2 (I)? Ye	s No	<del>/`</del>			
If yes, please lis	t constituents	in section D								_
GENERATOR CE	RTIFICATI	ON								
			is and all attached docum	ents is com	olete conta	ins true and	Laccurati	e description	ns and is renr	aseni
			on regarding known or su							
If CYCLE CHEM	discovers, a	after having taken de	livery of the waste, that	any waste o	does not con	nform to the	identific	ation and d	escription on	this f
then CYCLE CHEM	il shall provid	de notice of such con	dition to the Generator ar	nd coordina	te the return	of the nonc	:onformir	ng waste to t	the point of or	rigin a
TOTA on the manife	est or to suc	n other locations de	esignated in writing by the arges, damage to equipm	e Generato	or. Generato	r agrees to	reimbur	se CYCLE	CHEM for all	han
receipt handling to	h aug nansh Suboran	orage and return of s	siges, damage to equipm such nonconforming wast	ent, and co	ists associa	ted with los	i lime inc	designated	I Du Generato	gurin
	omporary are		wast	o to point 0	. Urigini Ur IC	, aucii Ulliel	WEIGH	บธอเ <b>นิเเสเส</b> 0	Jy Generalo	•
10 / 1	$\wedge$	$\cap \cap$								
10 4	1/ _	<b>いん</b> ひ、			$\triangle$					
	244	XIX			(-)(					
Authorized Signal	turey -	1		Title	イン	. )			_	
- KI (-)	ואכשב	nleb:			The	100				
Name (Print or Ty	pe)	11010		Date	3/10	$\gamma \sim$		· 87	749033	3
						1		~ .		/ <b>-</b>

METALS/OR							
	GANICS	(mg/kg or ppm	)	ox 🗆 t	CLP TOTAL	F. LIQUID WASTE CHARACTERIS	TICS
TAI	<b>EP TOX</b>	LESS	., <u> </u>	EP TOX	LESS	Fuels and WWT Candidates	
_	EPA CODE		L METAL	EPA CODE	THAN ACTUAL		
enic um	D004 D005	□ <5.0 □ <100	Hexachlorobenzene	D032	C < 0.13	ORGANIC PHASE %	
zene	D018	□ < 0.5	Hexachloro-1,3-butadiene Hexachloroethane	D033 D034	☐ <0.5 ☐ <3.0	+ AQUEOUS PHASE % = 10	0%
lmium	D006	□ <1.0	Lead	D008	C < 5.0	RANGE	
bon tetrachloride	D019	□ < 0.5	Lindane	D013	□ <0.4	HEAT VALUE B	тиль
rdane robenzene	D020 D021	□ < 0.03	_ Mercury N	D009 D014	☐ < 0.2 ☐ < 10.0	TOTAL HALOGENS %	mal
form	D021	□ < 6.0	Methoxychlor * Methyl ethyl ketone	D014	C < 200.0	ASH CONTENT	
um	D007	C < 5.0	_ Nitrobenzene	D036	□ <2.0	% SULFUR	
eoi	D023	□ <200.0		D037	□ <100.0		
eol Boi	D024 D025	□ <200.0 □ <200.0		D038 D010	□ <5.0 □ <1.0	BS&WWATER CONTENT	_ 4
ol	0026	□ <200.0		D011	□ <5.0	VISCOSITY (cps):@	•F
)	D018	☐ < 10.0 <b></b>		D039	C < 0.7	TOC mg/l	
ichlorobenzene ichloroethane	D027 D028	□ <7.5	Toxaphene Trichloroethylene	D015 D040	☐ < 0.5 ☐ < 0.5	COD mg/l	•
Dichloroethylene	D029	□ < 0.7	2,4,5-Trichlorophenol	D041	□ <400.0	BOD mg/l	
initrotoluene	D030	□ <0.13	2,4,6-Trichlorophenol	D042	□ <2.0	OIL & GREASE mg/l	
n	D012	□ <0.02	_ 2,4,5-TP (Silvex)	D017 D043	☐ <1.0 ☐ <0.2	TOX mg/l	
achlor its hydroxide)	D031	□ < 0.008	Vinyl chloride Copper	NA	□ <100.0 <b></b>	HOC mg/l	
ts riyuroxide,	0031		Zinc	NA	□ <500.0	noc mg/i	
			G. SHIPPING/MAN	IFEST INF	ORMATION		
MENT METH	DD		5 K-1	REGU	ATORY INFORMAT		
BULK LIQUID		U OTHER (S	PECIFY) DO/CH	USEPA	HAZARDOUS WAS	TE? TES INO	
BULK SOLID	□ RO			USEPA	HAZARDOUS COD	E(S)	
DRUM (SIZE) _		<del></del>		APPLI	CABLE SUBCATEGO	1	
ICIPATED VOL		ALS. DR	LIMS	-			
16	ome 🗆 G		CUBIC YDS.		HAZARDOUS WAST	:	
(QUANTITY)		=			STATE CODE(S)		·
PER		NE TIME 🗀 (	DUARTER	Ј рот	HAZARDOUS WAST	E? TYES TINO	
NSPORTER:				PROP	ED SHIPPING NAME	Bill of Coling	
NSPORTER P	HONE/CON	ITACT:	·	FROF	IN SHIFFING NAME	all or continue	
	,		04/				
ANSPORTER U	SEPA I.D. L			CLASS	I.D. NO.	P.G R.O	-
WASTE OFF	CIFICATIO	M.					
WASTE CERT	IFICATIO	N			<b>(</b>		
Does this waste	material co	ontain polychiorinat	ted biphenyls? YES	NO -	·		
			r pesticides as described in	the 40 CF	1 Part 261.24 Table	#1, Waste Nos. DO12-DO17?	
VEC			in the listed "enent" solvent				
	- matarial ac	votain or awar conta		a which was	ld darrib, the week		
Does this waste	material co	ontain or ever conta Part 261.31? YES	NO X	s which wou	ld classify the waste	as any or all EPA Waste Nos. F001, F00	2, <b>F00</b> :
Does this waste F004, F005 as	per 40 CFR	Part 261.31? YES	8 NO	-	•		
Does this waste F004, F005 as Does this waste	per 40 CFR material.co	l Part 261.31? YES ontain leachable lev	8 NO	-	•	as any or all EPA Waste Nos. F001, F00; 4 thru D011 as per 40 CFR Part 261.24?	
Does this waste F004, F005 as Does this waste YES	per 40 CFR material co NO	Part 261.31? YES ontain leachable lev	vels of any of the metals co	- overed by E	PA Waste Nos. D00	4 thru D011 as per 40 CFR Part 261.24?	
Does this waste F004, F005 as Does this waste YES	per 40 CFR material co NO contain an	Part 261.31? YES ontain leachable lev ——— ny dioxins as specifi	vels of any of the metals co	- overed by E	PA Waste Nos. D00		
Does this waste FO04, FO05 as Does this waste FES Does this waste FES	per 40 CFR material.co NO contain an	Part 261.31? YES ontain leachable lev ny dioxins as specifi	NO NO vels of any of the metals co	 overed by E Waste Nos	PA Waste Nos. D00-	4 thru D011 as per 40 CFR Part 261.24? F023. F026, F027, F028?	
Does this waste F004, F005 as Does this waste YES Does this waste YES Sthis waste makes	per 40 CFR material co NO contain an NO aterial a "Ca	Part 261.31? YES contain leachable lev ny dioxins as specifi ulifornia List" waste,	NO NO vels of any of the metals colled by 40 CFR Part 261.31  as per 40 CFR Part 268.3	overed by E Waste Nos	PA Wasie Nos. D00 F020, F021, F022,	4 thru D011 as per 40 CFR Part 261.24? F023, F026, F027, F028?	≥ 134
Does this waste F004, F005 as Does this waste YES	per 40 CFR material co NO contain an NO aterial a *Ca material co	Part 261.31? YES contain leachable lev compart dioxins as specifi compart dioxins as specifi compart dioxins as specifi contain D018-D043 a	NO NO vels of any of the metals colled by 40 CFR Part 261.31 as per 40 CFR Part 268.3 as per 40 CFR Part 261.24	waste Nos 2? YES _	PA Waste Nos. D00 F020, F021, F022,	4 thru D011 as per 40 CFR Part 261.24?  F023, F026, F027, F028?  PCB ≥50 Ni HOC ≥ 1000 Th	≥ 134
Does this waste F004, F005 as Does this waste YES	per 40 CFR material co NO contain an NO aterial a "Ca material co material co material co	Part 261.31? YES contain leachable lev y dioxins as specifi hilifornia List" waste, contain D018-D043 a contain "U", "K" or "P	NO NO vels of any of the metals colored by 40 CFR Part 261.31  as per 40 CFR Part 268.3  as per 40 CFR Part 261.24  wastes as defined per 40	waste Nos  2? YES  YES	PA Waste Nos. D00 F020, F021, F022, . NO NO NO 261.32 and 261.33?	4 thru D011 as per 40 CFR Part 261.24?  F023, F026, F027, F028?  PCB ≥50 Ni HOC ≥ 1000 Th	≥ 134
Does this waste F004, F005 as Does this waste YES Does this waste YES Is this waste made to be this waste Does this waste Does this waste Does this waste	per 40 CFR material co NO contain an NO aterial a "Ca material co material co material co	Part 261.31? YES contain leachable lev y dioxins as specifi hilifornia List" waste, contain D018-D043 a contain "U", "K" or "P	NO NO vels of any of the metals colled by 40 CFR Part 261.31 as per 40 CFR Part 268.3 as per 40 CFR Part 261.24	waste Nos  2? YES  YES	PA Waste Nos. D00 F020, F021, F022, . NO NO NO 261.32 and 261.33?	4 thru D011 as per 40 CFR Part 261.24?  F023, F026, F027, F028?  PCB ≥50 Ni HOC ≥ 1000 Th	≥ 134
Does this waste F004, F005 as Does this waste YES	per 40 CFR material contain an NO aterial a "Ca material considered no racteristic for	Part 261.31? YES contain leachable level and dioxins as specification alifornia List" waste, contain D018-D043 a contain "U", "K" or "P conhazardous by US or D001, D002 and D00	vels of any of the metals collected by 40 CFR Part 261.31  as per 40 CFR Part 268.3  as per 40 CFR Part 261.24  wastes as defined per 40  SEPA standard? YES  18-D043 and will be managed	waste Nos 2? YES _ ? YES _ CFR Part ?	PA Waste Nos. D00 . F020, F021, F022, NO NO . P0261.32 and 261.33?	4 thru D011 as per 40 CFR Part 261.24?  F023, F026, F027, F028?  PCB ≥50 Ni HOC ≥ 1000 Th	≥ 134 ≥ 130
Does this waste F004, F005 as Does this waste YES Does this waste YES Is this waste matching the Waste Does this waste this waste cols this waste character FR Part 261, 21	per 40 CFR e material co NO contain an NO aterial a "Ca e material co material co material co material co material co material co material co material co material co material co material co material co material co material co material co material co material co material co material co	Part 261.31? YES contain leachable lev y dioxins as specification alifornia List" waste, contain D018-D043 a contain "U", "K" or "P on-hazardous by US or D001, D002 and D00 TOC subcategory)?	vels of any of the metals collected by 40 CFR Part 261.31  as per 40 CFR Part 268.3  as per 40 CFR Part 261.24  wastes as defined per 40  SEPA standard? YES;  18-D043 and will be managed	waste Nos 2? YES ? YES CFR Part : No	PA Waste Nos. D00 F020, F021, F022, . NO NO NO 261.32 and 261.33? . non-CWA equivalent	4 thru D011 as per 40 CFR Part 261.24?  F023, F026, F027, F028?  PCB ≥ 50 Ni HOC ≥ 1000 Th  YES NO  t and non-Class I SDWA systems (except for	≥ 134 ≥ 130
Does this waste F004, F005 as Does this waste YES	per 40 CFR e material contain an external a "Ca material considered no racteristic for (a) (1) High 1 contain any u	Part 261.31? YES ontain leachable level y dioxins as specification of the property of the prop	vels of any of the metals collected by 40 CFR Part 261.31  as per 40 CFR Part 268.3  as per 40 CFR Part 261.24  wastes as defined per 40  SEPA standard? YES  18-D043 and will be managed	waste Nos 2? YES ? YES CFR Part : No	PA Waste Nos. D00.  F020, F021, F022,  NO NO NO NO NO NO NO NO NO NO NO NO NO N	4 thru D011 as per 40 CFR Part 261.24?  F023, F026, F027, F028?  PCB ≥ 50 Ni HOC ≥ 1000 Th  YES NO  t and non-Class I SDWA systems (except for	≥ 134 ≥ 130
Does this waste F004, F005 as Does this waste YES	per 40 CFR e material contain an external a "Ca material considered no racteristic for (a) (1) High 1 contain any u	Part 261.31? YES ontain leachable level y dioxins as specification of the property of the prop	vels of any of the metals collected by 40 CFR Part 261.31  as per 40 CFR Part 268.3  as per 40 CFR Part 261.24  wastes as defined per 40  SEPA standard? YES;  18-D043 and will be managed	waste Nos 2? YES ? YES CFR Part : No	PA Waste Nos. D00.  F020, F021, F022,  NO NO NO NO NO NO NO NO NO NO NO NO NO N	4 thru D011 as per 40 CFR Part 261.24?  F023, F026, F027, F028?  PCB ≥ 50 Ni HOC ≥ 1000 Th  YES NO  t and non-Class I SDWA systems (except for	≥ 134 ≥ 130
Does this waste F004, F005 as Does this waste YES  Does this waste Maste YES  Is this waste maste Does this waste Cols this waste cols this waste cha CFR Part 261.21  Does this waste list yes, please list	per 40 CFR e material contain an NO aterial a "Ca e material considered no racteristic for (a) (1) High 1 contain any u constituents	Part 261.31? YES ontain leachable level of the property of the	vels of any of the metals collected by 40 CFR Part 261.31  as per 40 CFR Part 268.3  as per 40 CFR Part 261.24  wastes as defined per 40  SEPA standard? YES;  18-D043 and will be managed	waste Nos 2? YES ? YES CFR Part : No	PA Waste Nos. D00.  F020, F021, F022,  NO NO NO NO NO NO NO NO NO NO NO NO NO N	4 thru D011 as per 40 CFR Part 261.24?  F023, F026, F027, F028?  PCB ≥ 50 Ni HOC ≥ 1000 Th  YES NO  t and non-Class I SDWA systems (except for	≥ 134 ≥ 130
Does this waste F004, F005 as Does this waste YES Does this waste YES Is this waste made to the waste of this waste compared to the waste of the was	per 40 CFR e material contain an NO aterial a "Ca e material a considered no racteristic for (a) (1) High 1 contain any u constituents  RTIFICATion	Part 261.31? YES ontain leachable level of the property of the	vels of any of the metals collected by 40 CFR Part 261.31  as per 40 CFR Part 268.3  as per 40 CFR Part 261.24  wastes as defined per 40  SEPA standard? YES;  18-D043 and will be managed yes No  18 constituents as defined in 40  his and all attached docum	waste Nos 2? YES ? YES PCFR Part 2 In non-CW/ 0 CFR Part 2	PA Waste Nos. D00.  F020, F021, F022,  NO NO 261.32 and 261.33?  D, non-CWA equivalent  S8.2 (i)? Yes	F023, F026, F027, F028?  PCB ≥ 50 Ni HOC ≥ 1000 Th  YES NO  t and non-Class I SDWA systems (except for	≥ 134 ≥ 130 the 40
Does this waste FO04, FO05 as Does this waste YES	per 40 CFR e material contain an NO aterial a "Ca material considered no racteristic for (a) (1) High 1 contain any unconstituents  RTIFICATI at all informal, and that it	Part 261.31? YES ontain leachable level y dioxins as specification D018-D043 a ontain "U", "K" or "P on-hazardous by US or D001, D002 and D07CC subcategory)? Underlying hazardous in section D  ON ation submitted in the last relevant informa	vels of any of the metals covers of any of the metals covers of any of the metals covers of any of the metals covers of any of the metals covers of any of the metals covers of any of the metals covers of any of the metals covers of any of the metals covers of any of the metals covers of any of the metals covers of any of the metals covers of any of the metals covers of the metals cove	waste Nos 2? YES ? YES CFR Part 2 In non-CW/	PA Waste Nos. D00.  F020, F021, F022,  NO NO 261.32 and 261.33?  O  non-CWA equivalent  S8.2 (i)? Yes  Diete, contains true a zards in the possess	F023. F026, F027, F028?  PCB ≥ 50 Ni HOC ≥ 1000 Th  YES NO  t and non-Class I SDWA systems (except for	≥ 134 ≥ 130 the 40
Does this waste F004, F005 as Does this waste YES	per 40 CFR per material contain an NO aterial a "Cap material considered no racteristic for (a) (1) High 1 contain any unconstituents  RTIFICATION at all information and the contain and the	Part 261.31? YES ontain leachable level y dioxins as specification of the property of the prop	vels of any of the metals colored by 40 CFR Part 261.31  as per 40 CFR Part 268.3  as per 40 CFR Part 261.24  wastes as defined per 40  SEPA standard? YES  18-D043 and will be managed  Yes No	waste Nos 2? YES ? YES CFR Part 2 in non-CW/ O CFR Part 2 ents is compuspected has any waste defined.	PA Waste Nos. D00.  F020, F021, F022,  NO NO 261.32 and 261.33?  No., non-CWA equivalent  S8.2 (i)? Yes I  Delete, contains true a zards in the possessoes not conform to	F023. F026, F027, F028?  PCB ≥ 50 Ni HOC ≥ 1000 Th  YES NO   t and non-Class I SDWA systems (except for	≥ 134 ≥ 130 the 40
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PAGE 2

E151775

CYCLING TREATM	ENT & DISPOSAL OF HAZARDOUS WAST	217 SOUTH FIRST STREET ELIZABETH, NJ 07206 (908) 355-5800	PRODUCT CODE MATERIAL PROPERTY CODE
MAILING ADDRESS 199 111	CENEDA	OR US EPA I.D	CU=-01
ECHNICAL CONTACT		CONTACT PRIDE	ONE
OLORVISUAL DESCRIPTION  WASTEWATER  NONWASTEWATER	STRONG INCIDENTAL YE ODOR PRESENT? NO DESCRIBE	SOLID SINGLE	EPHASE YES / ERED Pumpable? N/F
2.01-5	<.8	<70°F	% Total Solids % Suspended Solids % Dissolved Solids CUP % Free
OTHER HAZARDOUS CHARA IDICATE IF THIS WASTE IS:  RCRA REACTIVE WATER REACTIVE RADIOACTIVE OXIDIZING MATERIAL PYROPHORIC	CTERISTICS  SUBJECT TO NESHAP SUBPA BENZENE REGULATIONS ETIOLOGICAL PESTICIDE MANUFACTURING EXPLOSIVE/SHOCK SENSITIV NONE OF THE ABOVE	WASTE	DERATIONS
moty duims once	continued	FOLLOWING:  NONE  PCB's  Cyanides  Phenolics  Sulfides  MSDS ATTAC	or LESS THAN or ACTU <pre></pre>
		<u> </u>	

RECYCLING TREATME	NT & DISPOSAL OF HAZAR	TE WAS			BETH	I FIRST S I, NJ 072 300		MATER PRODUCT PROCESS	CODE _		ILE S	HEE
MATOR INFORMATION		GENERA	TOR US EPA	I.D.	IN	オカ	1 1		1			
35648 Nana (1	te price 15 Train	<u>-</u>	BILLI	NG A	DDRE	SS IF DI	FFERENT	C1	101			
ADDRESS	J- 07644					3./		<u></u>				
			CON		_	MT						
CHNICAL CONTACT		TITLE					PH	ONE				
ME OF WASTE MY LAZA												
CESS GENERATING WASTE	SSS X+ N	man.	ntacta	<u> . اران .</u>	<u>-e 3</u>	ing	-L / 3/	<u>Maken</u>				
PHYSICAL CHARACTERISTIC	S OF WASTE	· · · · · · · · · · · · · · · · · · ·										
OR/VISUAL DESCRIPTION	STRONG INCIDENT				HYSIC		E @ 70°F			DUM	PABL	
ileai	ODOR PRESENT?	ÆΝ	o s	OLID		· -	SINGLE		¥⊡ \ Puπ	YES npable	?	
WASTEWATER	DESCRIBE		1"	OWDE			MULTI-	LAYERED	<b>₽</b>	YES	,	
NONWASTEWATER			□s	EMI-S			SLUDG	E	<u> 10</u>	YES		
CORROSIVITY (pH)	SPECIFIC GRAVI	_		_	FLA	ASH POIN			1	LIQU otal S		LIO
		□ 1.2-1.4 □ 1.4-1.7			•F		>200°F NO FLAS	<b>:</b>	% S	uspei		-
	• •	☐ > 1.7	☐ 101°				EXACT_		1	iolids Dissolv	ad.	-
	EXACT		☐ 142°			_			S	iolids	-	
			IGNITAB		solia) NO		CLOSED OPEN C		% F	ree iquids	•	13
OTHER HAZARDOUS CHARA	CTERISTICS			SPEC	IAL H	IANDLIN	G CONSI	DERATION	S			
CATE IF THIS WASTE IS:	SUBJECT TO NES	HAP SUBI	PART FF									
☐ RCRA REACTIVE ☐ WATER REACTIVE	BENZENE REGUL  ETIOLOGICAL	ATIONS	ļ	ČΛ	<u>5 3</u>	99						
☐ RADIOACTIVE	PESTICIDE MANUF	ACTURIN	G WASTE	يندنو	M -	± 5:	<u> </u>					
	EXPLOSIVE/SHOC		VE									
☐ PYROPHORIC	NONE OF THE ABO	OVE										
CHEMICAL COMPOSITION		B.A	ANGE									
		MIN	MAX.		2.	FOLLO		S WASTE	CONT	AINS A	ANY (	OF T
methanoc		100	_	_ %		· OLLO		or LESS	THAN	I o	r ACT	UAL
			-	_ %		PCB's	<b>1</b>	□ <50		_		6
			-	_ %		Cyanide		☐ <250	ppm	_		
			<del>-</del>	_ %		Phenolic Sulfides		□ <50 □ <500	• •	-		— f
			-	_ %			OS ATTAC		o pp			
	·····			_ %			-	ITAL ANAL	YSIS A	ATTAC	HED	
			-	_ %						•		
				_%								
				_%		. —						
			10-6							· · · · · · · · · · · · · · · · · · ·		
	TOTAL (MUST BE ≥	100%)	100	_ %								

								31
E. METALS/OR			r ppm)	☐ EP T			TO THE PERSON PROPERTY OF THE PERSON PROPERTY	ASTE CHARACTERI
METAL	EP TOX EPA CODE	LESS	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN ACTU		/WT Candidates
rsenic	D004	<b>⊈</b> <5.0		Hexachlorobenzene	D032	Ū < 0.13	- ORGANIC PI	•
irium Nzene	D005	<b>∅</b> <100		Hexachloro-1,3-butadiene	D033 D034	Ø <0.5	+ AQUEOUS	DUACE 1
dmium	D018 D006	Ū <0.5 Ū <1.0		Hexachloroethane Lead	D008	□ <5.0 <u> </u>		
urbon tetrachloride	D019	€ <0.5		Lindane	D013	0 < 0.4		RANGE
hlordane	D020	€0.03		Mercury	D009		HEAT VALUE	<del></del>
hlorobenzene hloroform	D021 D022	□ <100.0 □ <6.0		Methoxychlor Methyl ethyl ketone	D014 D035		TOTAL HALC	GENS %
hromium	D007	D < 5.0		Nitrobenzene	D036	□ <2.0	ASH CONTE	NT
-Cresol	D023	₫ <200.0		Pentachiorophenol	D037	<b>□</b> < 100.0	— % SULFUR	○ <0.5%
n-Cresol -Cresol	D024 D025	☐ <200.0 ☐ <200.0		Pyridine	D038 D010	C < 5.0	BS&W	
Gresol	D025	G < 200.0		Selenium Silver	D010	5.0	WAIER CON	TENT
,4-D	D016	□ < 10.0		Tetrachioroethylene	D039	Q < 0.7	- VISCOSITY (	cps):@
,4-Dichlorobenzene ,2-Dichloroethane	D027 D028	□ <7.5 □ <0.5		Toxaphene	D015 D040	[] < 0.5 [] < 0.5	TOC	
1-Dichloroethylene	D028	□ < 0.5 □ < 0.7		Trichloroethylene 2,4,5-Trichlorophenol	D040	C < 400.0	COD	
4-Dinitrotoluene	D030	□ <0.13		2,4,6-Trichlorophenol	D042	<2.0	— BOD	, mg/i SE mg/l
ndrin	D012	☐ <0.02 ·		2.4.5-TP (Silvex)	D017 D043	E < 1.0 —	TOX	
eptechlor and its hydroxide)	D031	☐ < 0.008 .		Vinyl chloride Copper	NA	C < 0.2 C < 100.0 C < 500.0	HOC	
THE RESTRICT				Zinc	NA .			mg/l
				G. SHIPPING/MAN				
HIPMENT METH	סס				REGUI	LATORY INFORI	,	,
BULK LIQUID		□ отн	HER (SP	ECIFY)	USEPA	HAZARDOUS V	WASTE?	ES _ NO
] B∩rk sorid ັ	<del></del>				USEPA	HAZARDOUS (		F003 D001
	RO	-			1			
DRUM (SIZE) _					APPLI	CABLE SUBCAT	7	<u> </u>
NTICIPATED VOL	.UME 🗌 G		DRUI		STATE	HAZARDOUS W	/ASTE?   ✓ Y	ES INO
(OLIANITITY)		☐ TONS	L	CUBIC YDS.		STATE CODE(S)	LI	• • • • • • • • •
(QUANTITY) PER	☐ Or	NE TIME	ا م	JARTER 🔲 YEAR	f		^	
RANSPORTER:					1 -	HAZARDOUS W		ES INO
	1015601	TACT				ER SHIPPING N		
TRANSPORTER P	MONE/CON	IIAC I:	_			s== Flo		900 8 3 NOS
ANSPORTER U	TIFICATIO				<u>.</u>		vo. <u>чи:443</u> р.д.	71) R.O
Does this wast Does this wast YES	e material c	ontain polyc ontain herbi	niorinated cides or p	d biphenyls? YES pesticides as described in	NO _	R Part 261.24 Ta	able #1, Waste Nos.	DO12-DO17?
	e material co			the listed "spent" solvent	s which wou	ald classify the wa	aste as any or all EP	A Waste Nos. F001, F0
I. Does this wast		ontain leach	abie leve	is of any of the metals co	overed by E	PA Waste Nos. I	D004 thru D011 as p	per 40 CFR Part 261.24
5. Does this wast	e contain an	y dioxins as	specified	d by 40 CFR Part 261.31	Waste Nos	s. F020, F021, F0	022, F023, F026, F0	27, F028?
YES		•					~	PCB ≥ 50 N
i. Is this waste m	aterial a "Ca	ilifornia List"	waste, a	s per 40 CFR Part 268.3 per 40 CFR Part 261.24	32? YES_	NO_	^	HOC ≥ 1000 TI
. Does this waste	e material co	ontain D018	-D043 as	per 40 CFR Part 261.24	? YES_	NO_>	2	
<ul> <li>Does this waste</li> </ul>	e material co	ontain "U", "I	K" or "P"	wastes as defined per 40	CFR Part	261.32 and 261.	33? YES	_ NO <u>X</u>
. Is this waste co	nsidered no	n-hazardou	s by USE	PA standard? YES	N	o <u>×                                    </u>		
CED Dark 261 21	1e) (1) High '	TOC auboata	2021)2 V	-D043 and will be managed es No constituents as defined in 4			•	SDWA systems (except f
If yes, please list								
ENERATOR CE	DTIEICATI	ON						
I hereby certify the f the waste materi If CYCLE CHEM hen CYCLE CHEM orth on the manife ackaging, clean u	at all informal, and that discovers, a l shall providest or to sucp and transp	ation submit all relevant i after having de notice of s th other loca portation cos	information taken de such cond ations de sts or cha	s and all attached document regarding known or silivery of the waste, that dition to the Generator arsignated in writing by the triges, damage to equipmuch nonconforming was	uspected ha any waste ond coordinate Generatorient, and co	ezards in the pos- does not conformate the return of the conformation of the conformation agreement agreement agreement with the conformation associated with the conformation agreement associated with the conformation associated with the conformation associated with the conformation associated with the conformation and the conformation associated with the conformation and the conformation as a second conformation and the conformation are conformation as a second conformation and the conformation are conformation as a second conformation and the conformation are conformation as a second conformation and the conformation are conformation as a second conformation are conformation as a second conformation as a secon	session of the gene to the identification to nonconforming with tees to reimburse C with lost time incurre	rator has been disclose and description on the iste to the point of origing YCLE CHEM for all his d by CYCLE CHEM du
	lad	als	) ري			QC		gbioo by continue
Authorized Signal	-142	dals	<u>k:</u>		Title	5/18	195	
Name (Print or Ty	<b>(₽</b> 4)				Date	, ,		

# State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 028, Trenton, NJ 08625-0028

type or printin block letters. (Form designed for use on eille (12-pit				Approved. OME	No. 2050	-0039. Expire	s 9-30-94
NIFORM HAZARDOUS  WASTE MANIFEST  OF TO TO THE PROPERTY OF THE	l Docs	anifest imeni 13		is not	required	he shaded at by Federal	
3. Gentator Name and Mailing Address NATP TECHNOLOGY INC-				e Manifest Doct	177	2285	) )
4. Generalor's Phone ( 108 ) 385-5620	NO CLA HILLIAN		•	SAME	)		
	US FE'A ID Flumber 	016	C. State	e Trans. ID N	TOEP	3581	111.
7. Transporter 2 Company Name 8.	US EFA ID Humber			sporter's Phone	(908	1442-	1400
9. Designated Facility Name and Site Address 10.	US EPA ID Number		E. State	e Trans. ID	1		
CYCLE Chemine.	OG EL A LO MAINDON		F. Tran	sporter's Phone		) (	
217. South FIRST ST.		- 117	G. State	e Facility's ID	· ·		
8L12. N.J. 67206 INT	1790122100					54 - 25	00
11. US DOT Description (Including Proper Shipping Name, Hazard Class, HM		12. Conta	Type	13. Total Quantity	14. Unit Wi/Vol	I. Waste I	Vo.
" WASTE CHEMICAL PROCESS	Lyyid NOS						
NON DOT NON REA	A MUTICIAL	XIXI		(13/2/01	6	XA	0 6
-b					-		
				1 1 1 1		1 1	
c.					+		
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		ll	<del></del>		11	40 Men 2	ي ا
J.							
-		1 1	1	1111			
J. Additional Descriptions for Materials Listed Above			K. Han	dling Codes for	Wastes	Listed Above	₩
E, MEHRY PARABEN \$ HED 16096		i					
			<u>a.</u>	·	- T-1		<u>ا</u>
b. d.  15. Special Handling Instructions and Additional Information		· · ·	b.		d.		12.00
Platz XAHZ928	reasurcy phon	7. T	100 J 4	142- 44	DD		
DECAL 65702		•	, D	579			
			-L. d				
<ol> <li>GENERATOR'S CERTIFICATION: I hereby declare that the contents of classified, packed, marked, and labeled, and are in all respects in pi</li> </ol>	oper condition for transpor	t by highwa	ely descri	ding to applicat	proper sni pie intern	pping name a ational and n	ind are
government regulations.  If I am a large quantity generator, I certify that I have a program in place	e to reduce the volume and	texicity of w	aste gen	eraled to the de	gree I ha	ve determine	d to be
economically practicable and that I have selected the practicable method future threat to human health and the environment; OR, if I am a small of	uantity generator, I have ma	isposal curi ide a good (	ently ava laith effor	ilable to me whi t to minimize m	ich minim y waste g	izes the presi eneration and	ent and
the best waste management method that is available to me and that I o	an afford.	<del>7 0</del>	<del></del>			Month Day	Year
Printed(Typed Name)	TI Son	ولا م	<i>U:</i>		•		795
17. Transporter 1 Acknowledgement of Receipt of Materials		$\Delta I$	<u>'</u>				
-Printed Typed Name	Signardin					Month Day	Year
18. Transporter 2 A knowledgement of Receipt of Materials	MATTO	CAP.	_	,		AMO	IAN
Printed/Typed Name	Signature					Month Day	Year
					1	111	11
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of recent of hazardous material		except as r	oled in I	tem 19.		Marth Se	<del></del>
Printed/Type-1 Name	Signature ,				'	Month Day	Yes

Brain Paris Milanta Ireaniant Standards

## CycleChem

TEAHNOLÖGIES INC

P00:13/5282

Recycling Treatment & Disposal of Hazardous

217 South First Street, Elizabeth, NJ 07206 + 908-355-5800, FAX: 908-355-0562

CYCLE CHEM, INC. 217 \$. FIRST \$T. ELTZABETH NJ 07206 NJD002200046

Generator NHPP

LAND DISPOSAL RESTRICTIONS NOTIFICATION FORM

	PATENCES		•	
i. Manifest Line Item	-	T ALL EPA HAZARDOUS STE CODES (RCRA CODE	es)	CCI PRODUCT CODES
:				
		NTS FOR WASTES THA underlying hazardous cor		
LINE ITEM	EPA NO.	TREATABILITY GROU	P	
ABCD_	D001	Ignitable Characteristi High TOC Subcategory non-CWA equivalent/	, that are mai	naged in non-CWA/
ABCD_	D002	Corrosive Characterist		
		non-CWA/non-CWA ed	dmissient, not	1-Class 1 SDWA Sys
ABCD_	D012-D043	Wastes that are TC ba	· · ·	
UNDERLYING	D012-D043 HAZARDOUS CONSTI 012-D043 OR F039 W	Wastes that are TC ba	· · ·	
UNDERLYING	HAZARDOUS CONSTI	Wastes that are TC bar TUENTS VASTES ABCD	· · ·	
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UNDERLYING 1 D001, D002, D ABCD_ ABCD_ ABCD_ ABCD_	HAZARDOUS CONSTI 012-D043 OR F039 W	Wastes that are TC battuents ASTES ABCD_ABCD_ABCD_	· · ·	
ABCD_ABCD_ABCD_ABCD_ABCD_ABCD_	HAZARDOUS CONSTI	Wastes that are TC bar TUENTS ASTES ABCD ABCD ABCD ABCD ABCD	sed on the TC	LP in SW846 Metho

pack contains only wastes which have not been excluded under appendix IV to 40 CFR Part 26 wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant pe

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CDFO	01 A	ABCDF002	ABCD_	<u>:</u> _F003 <sub>5</sub> ∴	ABCD_F004	ABCD
ARC	D acetone			ABCD	ethyl ether	
ARC	D benzene	gi kangalan da ka	والمراجع والميام والمجالة	ABCD	methanol	
1 - 1		Garage Garage	المرازة المراج المناو	ADOD	الكال ماداخ ماداها فاستماد بالأمسال	
ABC	D iso-buty	d alcohol		ABCD	methyl ethyl ketone	
ARC	D carbon	disulfide		ABCD	methyl isobutyl ketone	<b>!</b>
ARC	D cerbon	tetrachloride			nitrobenzene	
-ABC	in chlorobe	enzene		ABCD.	pyridinė:	
OCA TO A DO	D CIDOLOGO	i de la companya de l	128.712.176	ABCD	tetrachloroethylene	
ADA ···	D o-cresol			ABCD	toluene:	
VDC	D_ p-cresol	-	•		1,1,1-trichloroethane	
אםר. אפר	D cresylic	anid		ABCD	1,1,2-trichloroethane	
ADC	D_ cyclobes	mnone	•	ABCD	trichloroethylene	
ADC	D_ o-dichlo	robenzene	san isan <u>it</u> <b>w</b> w.	ABCD	trichloromonofluorome	thane
	D ethyl ac				1,1,2-trichloro-1,2,2-tr	
JOA Yea	D ethyl be	nzene		ABCD	xylenes	
שת	D emaine	TITIELLE				
CALTEC	DNIA LIST	WASTES				
ABOD	MICKEL >	134 mg/1				
ABCD		WITH PCB's ≥ 50	DPM			
ABOD		#1111 PCD & 2 00 # > 190 ma/1 " "	ra Bara. Transferance and a second	,	in the second of the second	
C ABOD	TALOOPS	ATED OPGANIC	CAPRON IHC	 (C'a) = 10	000 mg/1	
NOCU	_ MALOGEN	MIDD CHOMIC	, Chimon (110		000 mg/1	
. NON H	AZARDOUS	waste cer	ITTICATION			
rtify that	the following	manifest line ite	ms are not sul	bject to a	ny land disposal restricti	ous as specim
R Subpart	D and all ap	plicable prohibit	ions set iorun i	n Part 20	88 or RCRA Section 3004	(4).
CD_ NON	HAZ CODE	×900	ABCD_	NON H	AZ CODE	
CD_ NON	i haz code_		ABCD_	NON H	IAZ CODE	•
CD_ NON	HAZ CODE_		VPCD_	NON I	442 CODD	
I. CERT	IFICATION			45. 40		
otify that	I personally	examined and a	ım familiar w	in the w	raste through analysis a	na testing of
wiedge of	the waste to a	support this notif	ication that th	e waste c	described on this page do	es not comply
	ndards specif	fled in 40 CPR 26	8, Subpart D	or RCRA	Section 3004(d), and all a	bbncapie bior
itment eta	•					
forth in a	opropriate reg	gulatory treatmen	nt standards f	orior to la	5/17/95	

GENERATOR NAME MAILING ADDRESS    193   MOLEN ST   CONTACT   MILLING ADDRESS IF DIFFERENT   CONTACT   MILLING ADDRESS   FOR TOO	RECYCLING TREAT	MENT & DISPOSAL OF HAZARD	JE DOUS WASTE	M	217 SOUTH ELIZABETH (908) 355-56		PRODUCT (		SHEE.
MAILING ADDRESS    CONTACT	25646	`				TIDIO	)     3 	1   5   2 	   &
TITLE PHONE  SITE ADDRESS  NAME OF WASTE PROCESS GENERATING WASTE  B. PHYSICAL CHARACTERISTICS OF WASTE  ODOR PRESENT? NO SOLID SINGLE PHASE PUmpable?  WASTEWATER OESCRIBE SEMI-SOLID SUDGE  ODOR PRESENT? NO SEMI-SOLID SUDGE  WASTEWATER OESCRIBE SEMI-SOLID SUDGE  CORROSIVITY (pH) SPECIFIC GRAVITY FLASH POINT SOLID SUDGE  CORROSIVITY (pH) SPECIFIC GRAVITY FLASH POINT SOLID SOLID SUDGE  ODOR PRESENT? NO SOLID SUDGE PHASE Pumpable?  YES POURPABLE	MAILING ADDRESS	4 NO.173 ST						<u> </u>	
COLOR/VISUAL DESCRIPTION  VÀ 2. € 5    WASTEWATER   DESCRIBE   DESCRIBE   DESCRIBE   SEMI-SOLID   SINGLE PHASE   Pumpable?   YES   POURBER   DESCRIBE   DESCRIBE   SEMI-SOLID   SLUDGE   Pourable?   YES   TO NOROSIVITY (PH)   SPECIFIC GRAVITY   TO°F 100°F   NO FLASH   Suspended   Solids   To 12.1.4   SOIIds   To 12.1.4   Solids   To 12.1.4   Solids   To 12.1.4   Solids   To 12.1.4   Solids   To 12.1.4   Solids   To 12.1.4   Solids   To 12.1.4   Solids   To 12.1.4   Solids   To 12.1.4   Solids   To 12.1.4   Solids   To 12.1.4   Solids   To 12.1.4   To 12.1.4   Solids   To 12.1.4   Solid	SITE ADDRESS THE QUE	s demolition de	_ TITLE らといら			`PH	ONE		
ODOR PRESENT? NO SOLID SINGLE PHASE Pumpable?  WASTEWATER OESCRIBE	B. PHYSICAL CHARACTERIST	TICS OF WASTE				•			
CORROSIVITY (pH)  SPECIFIC GRAVITY  SUBJECT TOO*F  SOIIDS  SPECIAL HANDLING CONSIDERATIONS  SPECIAL HANDLING CONSI	COLORIVISUAL DESCRIPTION  VA 7.185  WASTEWATER	STRONG INCIDENTAL ODOR PRESENT?			OLID IQUID POWDER	☐ SINGLE ※ BI-LAYE ☐ MULTI-	PHASE ERED LAYERED	YES Pumpable? YES Pourable?	□ N
INDICATE IF THIS WASTE IS:  SUBJECT TO NESHAP SUBPART FF RCRA REACTIVE BENZENE REGULATIONS SHOP THE SET OF THE	□ ≤ 2.0     □ 9.01-12.49       □ 2.01-5     □ ≥ 12.50	☐ <.8 ☐ 8-1.0 ☐ 1.0-1.2 ☐	1.2-1.4	☐ 70°F ☐ 101° ☐ 142° IGNITAE	°F - 100°F F - 141°F F - 200°F BLE (if <b>solid</b> )	> 200°F  NO FLAS  EXACT  CLOSED	CUP	LIQUID/S % Total Solid. % Suspended Solids % Dissolved Solids % Free	SOLID
D. CHEMICAL COMPOSITION	INDICATE IF THIS WASTE IS:  RCRA REACTIVE WATER REACTIVE RADIOACTIVE OXIDIZING MATERIAL	SUBJECT TO NESH BENZENE REGULA ETIOLOGICAL PESTICIDE MANUFA EXPLOSIVE/SHOCK	TIONS ACTURING ' SENSITIVE	WASTE	SPECIAL I	HANDLING CONSI	DERATION	s	
	1. PPE - building debie		Min1	MAX.	- % - % - % - % - % - % - % - %	PCB's Cyanides Phenolics Sulfides Supplement	or LESS    <50   <50   <50   <50   HED	THAN or AC ppm 0 ppm ppm 0 ppm	CTUAL PP PP PP

X

ALSO LIST ALL SUBSTANCES REGULATED UNDER OSHA 1910.1000, SUBPART Z.

`AETAL 6/05	CANICS	/ma/ka a	·	□ EP T	ox 包 i	CIP []	TOTAL	F. LIQUID WASTE CHARACTERIST
METALS/OF	EP TOX	LESS			EP TOX	LESS	ACTUAL	Fuels and WWT Candidates
IAL	EPA CODE	THAN	ACTUAL	METAL Hexachiorobenzene	EPA CODE D032	THAN  (1) < 0.13		ORGANIC PHASE %
1	D004 D005	Ø <5.0 Ø <100		Hexachloro-1,3-butadiene	D033	Ø <0.5		+ AQUEOUS PHASE % = 1009
40	D018	₩ < 0.5		Hexachioroethane	D034 D006	<b>Ū</b> <3.0 <b>Ū</b> <5.0		
mium on tetrachloride	D006 D019	(Î) < 1.0 (B) < 0.5		Lead Lindane	D013	Q < 0.4 □ < 0.4		RANGE
rdane	D020	₫ <0.03		Mercury	D009	□ <0.2		HEAT VALUE BTO
robenzene	D021	☐ <100.0 ☐ <6.0		Methoxychior Methyl ethyl ketone	D014 D035		,	ASH CONTENT
roform xnium	D022 D007	⊕ < 5.0		Nitrobenzene	D036	☐ < 2.0 ☐ < 100.0		% SULFUR - <0.5%
esoi	D023			Pentachiorophenol	D037		)	BSAW
resol esol	D024 D025				D038 D010	□ <5.0 □ <1.0		WATER CONTENT
iol	D026				D011	€ <5.0		VISCOSITY (cps):@
D Dichlorobenzene	D016 D027	[ < 10.0		Tetrachloroethylene Toxaphene	D039 D015	€ < 0.7 € < 0.5		TOC mg/l
Dichloroethane	D028	□ < 0.5		Trichloroethylene	D040	C < 0.5		COD mg/l
Dichloroethylene	D029 D030	.□ <0.7 i□ <0.13		2,4,5-Trichlorophenol 2,4,5-Trichlorophenol	D041 D042	☐ <400.0 ☐ <2.0	)	BOD mg/l
Dinitrotoluene nn	D030	□ <0.02		2.4.5-TP (Silvex)	0017	<b>C</b> < 1.0		OIL & GREASE mg/i
tachlor				Vinyl chloride	D043 NA	☐ < 0.2 ☐ <100.0 ☐ <500.0		TOX mg/l
l its hydroxide)	D031	1□ <0.008		Copper Zinc	NA			HOC mg/l
		· 		G. SHIPPING/MAN				
PMENT METH	IOD		uen (en	ECIEVI	1		FORMATI	
BULK LIQUID BULK SOLID		<u></u> 01	HER (SP	EUIF 1)	1		OUS WAS	
	₹ RO				USEP	HAZARD	ous code	E(S)
DRUM (SIZE)					APPLI	CABLE SU	BCATEGO	RIES
TICIPATED VO	LUME 🗌 G		☐ D¥n		STATE	HAZARDO	OUS WAST	
QUANTITY	<del></del>	☐ TONS	يكاسم	CUBIC YDS:	1	STATE CO	DE(S)	<u> </u>
PER	' ଅଠା	NE TIME		JARTER 🗌 YEAR	1 007	HAZADDO	US WAST	E' LYES LNO .
ANSPORTER:					1			
NSPORTER F	PHONE/CON	ITACT:					NG NAME	
	,	1 1 1	1 1					
NSPORTER L	JSEPA I.D. L				CLAS	'ಸ್ಟರ್	17.725	EA PRONTISPO
WASTE CER	TIFICATIO	N				_		·
				d biphenyls? YES				
Does this was	te material c	ontain herb	icides or p	pesticides as described in	n the 40 CF	R Part 261	.24 Table	#1, Waste Nos. DO12-DO17?
YES			ar contain	the listed "spent" solvent	e which wo	uld classify	the waste :	as any or all EPA Waste Nos. F001, F002,
				NO		Jio Classily	310 110310	as any or an Er A Waste 1905. Foot, Foot,
						PA Waste	Nos. D004	thru D011 as per 40 CFR Part 261.24?
YES								
Does this was		• .	s specifie	d by 40 CFR Part 261.31	Waste No	s. F020, F0	121, F022,	F023, F026, F027, F028?
<u> </u>			•				\ <u>_</u>	PCB ≥50 Ni ≥
Is this waste m	naterial a "Ca	lifornia List	" wasle, a	is per 40 CFR Part 268.3	2? YES_		NO 🌊	—— HOC ≥ 1000 Th ≥
Does this was	te material co	ontain D018	I-D043 as	per 40 CFR Part 261.24	? YES_		NO	
Does this wast	te material co	ontain "U", "	K" or "P"	wastes as defined per 4	CFR Part	261.32 and	d 261.33?	YES NO
Is this waste c	onsidered no	n-hazardou	is by USE	PA standard? YES	N	o	<del>-</del>	
Is this waste ch	aracteristic fo	r D001, D002 TOC subcate	and D018	i-D043 and will be managed	in non-CW	A, non-CWA	vequivalent	and non-Class I SDWA systems (except for t
Does this waste	contain any i	anderlying h	azardous (	constituents as defined in 4	0 CFR Part 2	:68.2 (i)? Y	'es N	<b>10</b>
If yes, please lis								
NERATOR CE	FRTIFICATI	ON						
			tted in thi	s and all attached docum	ents is com	plete, cont	ains true a	nd accurate descriptions and is represent
								ion of the generator has been disclosed
								he identification and description on this hi inconforming waste to the point of origin a
n on the manife	est or to suc	h other loc	ations de	signated in writing by th	e Generato	or. Generat	or agrees	to reimburse CYCLE CHEM for all hand
:xaging, clean u sipt, handling. t	up and transp temporary sto	ortation co prage and r	sts or cha eturn of s	irges, damage to equipm uch nonconforming wast	ent, and co	ists associal or the second of	ated with k to such oth	ost time incurred by CYCLE CHEM during ter location designated by Generator
1		^ ^	`		p	<b>-</b>	======	
110 4	1 (	1//	j +		_		^	•
<u></u>	100	WY WY	4		X X	<u>u</u>	<u> </u>	
thorized Signa	iture d	. [ المن أ	-L.		Title		-1, -1-	2 07740040
	ITAZ	2413	701		. <u>X</u>	5	11817	877490342
Maint as Ti	mai	• •			Date		/ 1	



# State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section CN 421. Trenton. NJ 08625-0421



e type or print in block letters. (Form designed for use on elite					
WASTE MANIFEST	s US EPA (DINC).	Manifes: Document No.		Sinct requ	in the space ired by Face
Benerator : Name and Malling Address	4 4 4 4 3 2 6	1 2		nifest Documen	Number
Napp Chemical Inc.			B. State Ge	nerator s iD-Ge	n. Site Addres
99 Main St., Lodi, N.J. 07644			j.		=
Transferrer 1 Company Title JUD TOUR	US EPA	D Nurepes	C. Slate	DO NUDEPE	5.7.
SAN SON THOUSE OF GIVE OF THE	- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	مواسواسواسواسوا		Decai No	35 3.
Transcorter 2 Company Name	3. US EFA	C Tumber	D. Transco	ter's Phone (	
	·		E. State Tr	ens. ID-NUDER	38 442
Designated Facility Name and Site Address	15 US EPA	D Number	1	Decai No	
ycla Chem Inc.			F Transco	ter z Phone	
17 South Pirst St.			G. State Fi		
11zabeth, NT 07206		3 9 3 6 16	, H. Faciliti		
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### Recycling Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

## LAND DISPOSAL RESTRICTIONS NOTIFICATION AND CERTIFICATION FORM

A ID No.	NTD 001315	<u> 282                                   </u>	
ste Analy	rsis available?	X No Yes, Copy Attach	ed
NIFEST	INFORMATION		
LINE	ww	LIST ALL EPA HAZARDOUS	CCI PRODUCT
ITEM	NWW	WASTE CODES (RCRA CODES)	CODES CEUDO2
	NIKIPI -	57.00	. <u>Ce / 902</u>
		MENTS FOR WASTES THAT EXHI	
		ains underlying hazardous constituents	s as defined in 268.38
TEM	EPA NO.	TREATABILITY GROUP	
	D001	Ignitable Characteristic Wastes,	except for the 261.21 (a) (1)
-		High TOC Subcategory, that are	managed in non-CWA/
		non-CWA equivalent/ non-Class	s 1 SDWA Systems.
	D002	Corrosive Characteristic Wastes	, that are managed in
•		non-CWA/non-CWA equivalent/	
	D012-D043	Wastes that are TC based on the	e TCLP in SW846 Method 131
RLYING H	IAZARDOUS CON	ISTITUENTS	
	)12-D043 OR F03		
ABCD_		ABCD	
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mitting a false certification, including the possibility of fine or imprisonment.)

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	ITEM	CODE			SUBCATEGORY	
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<b>TF TO</b>	M 1	5 SPENT SOLV	PNT WASTES (	ONSTITUT	NT(C)	
					• •	ADOD
ABCL	F001	ABCD	_F002 ABC	DF003	ABCDF004	ABCD
	ABCD_	acetone			ethyl ether	
	ABCD	benzene			methanol	
	ABCD	n-butyl alcohol			methylene chloride	
	ABCD_	iso-butyl alcoho			methyl ethyl ketone	
	ABCD	carbon disulfide			methyl isobutyl ketone	
	ABCD_	carbon tetrachlo	ride	_	nitrobenzene	
	ABCD_	chlorobenzene			pyridine	
	ABCD_	m-cresol			tetrachloroethylene	
		o-cresol			toluene	
	ABCD_	p-cresol		ABCD_	1,1,1-trichloroethane	•
	ABCD_	cresylic acid			1,1,2-trichloroethane	•
		cyclohexanone			trichloroethylene	
		o-dichlorobenze	ne	-	trichloromonofluorome	
		ethyl acetate		_	1,1,2-trichloro-1,2,2-tr	ifluoroethane
	ABCD_	ethyl benzene		ABCD_	xylenes	
		*** * * * * * * * * * * * * * * * * * *	30			
VI. C		via list wasti				
	ABCD_	NICKEL ≥ 134 mg/	T FO DDIA			
		LIQUIDS WITH PC				
		THALLIUM ≥ 130 i		T (TICOCIA) > 10	200 mg/1	
	ABCD_	HALOGENATED O	RGAMIC CARBON	(HOC.8) ≥ 10	00 mg/ 1	
		4 D D O T T A O T T		YOR!		
		ARDOUS WAST			1	
l certi	ly that the	following manifest	ne items are no	of subject to a	any land disposal restrictions	ons as specified
		AZ CODE A (0)			68 or RCRA Section 3004 AZ CODE	(α).
_		AZ CODE/\ 100			AZ CODE	
ALCE	_ NON II	AZ CODE	1110	OD_ NON I		
3/111	CERTIFI	CATTON				
			ed and am familie	or with the w	vaste through analysis ar	nd teating or th
					described on this page doe	
					Section 3004(d), and all a	
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ROLL-OFF	P.O. BOX 296 FLAI	TRANSPORT GROUP, INC. NDERS, NEW JERSEY 07836 FAX: (201) 347-3564	MANIFEST #
DUMPER			
CUSTOMER:		ATTN:	
SPOTD	ATE TIME	LOAD & GO	
NAME:			
LOCATION:		SPOT CHARGES:	\$
TRACTOR #	TRAILER #	DRIVER	
JOB #	P.O. #	W.O. #	
IN:	OUT: <u>720</u> T	IME CHARGED	s
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PICK-UP CONTAINER:	DATE	TIME	
NAME:			
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		DRIVER	
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RENTAL CHARG	ES: XX	= AMOUNT:	\$
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UNLOAD:	DATE	TIME	•
DISPOSAL SITE:			<del>-</del> -
IN:	OUT:	INE CHARGED	8
DELAY EXPLANATION			•
SIGNATURE		LINER	8
		MIPL SUBSULABOR	•
		FUEL SURCHARGE	\$



### DELIVERY ORDER

D. O. N	
27023	

FELEASE MUMBER:

**BILL TO NUMBER** 

ORDER DATE

025758000

CUSTOMER CONTACT

INVOICE TO:

DELIVERY DATE

NAPP TECHNOLOGY 199 MAIN STREET P 8 50X 900 LCDI. NJ 07544

CUSTOMER NO.

068788002

SHIP/DELIVER TO:

DELIVER / SHIP BY

HAFF TEINICLOST 199 MAIN STREET LCDI, NJ 07644

PHONE

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THIS IS YOUR PACKING LIST - FORWARD TO ACCOUNTS PAYABLE



Recycling Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

### LAND DISPOSAL RESTRICTIONS NOTIFICATION AND CERTIFICATION FORM

PA ID No aste Anal	ysis available?	No Yes, Copy Attache	ed.
ANIFEST	INFORMATION		
LINE	** **	IST ALL EPA HAZARDOUS	CCI PRODUCT
ITEM	<u> </u>	VASTE CODES (RCRA CODES)	CEHOOT-C
		ENTS FOR WASTES THAT EXHIB as underlying hazardous constituents	
ITEM	EPA NO.	TREATABILITY GROUP	
•	D001	Intertable Characteristic Wester	
D_	<b>D</b> 001	Ignitable Characteristic Wastes, of High TOC Subcategory, that are non-CWA equivalent/ non-Class	managed in non-CWA/
-	D002	High TOC Subcategory, that are	managed in non-CWA/ 1 SDWA Systems. that are managed in
_ D_		High TOC Subcategory, that are non-CWA equivalent/ non-Class Corrosive Characteristic Wastes,	managed in non-CWA/ 1 SDWA Systems. that are managed in non-Class 1 SDWA Systems
D_ D_ DERLYING 1	D002	High TOC Subcategory, that are non-CWA equivalent/ non-Class  Corrosive Characteristic Wastes, non-CWA/non-CWA equivalent/  Wastes that are TC based on the CITUENTS  WASTES	managed in non-CWA/ 1 SDWA Systems. that are managed in non-Class 1 SDWA Systems
D_ D_ ERLYING I I, D002, D ABCD_	D002 D012-D043 HAZARDOUS CONS' 012-D043 OR F039	High TOC Subcategory, that are non-CWA equivalent/ non-Class  Corrosive Characteristic Wastes, non-CWA/non-CWA equivalent/  Wastes that are TC based on the ITTUENTS  WASTES  ABCD	managed in non-CWA/ 1 SDWA Systems.  that are managed in non-Class 1 SDWA Systems TCLP in SW846 Method 13
D_DERLYING DABCD_ABCD_	D002  D012-D043  HAZARDOUS CONS 012-D043 OR F039	High TOC Subcategory, that are non-CWA equivalent/ non-Class  Corrosive Characteristic Wastes, non-CWA/non-CWA equivalent/  Wastes that are TC based on the ITTUENTS  WASTES  ABCD	managed in non-CWA/ 1 SDWA Systems.  that are managed in non-Class 1 SDWA Systems TCLP in SW846 Method 13
ABCD_ABCD_ABCD_ABCD_ABCD_	D002 D012-D043 HAZARDOUS CONS' 012-D043 OR F039	High TOC Subcategory, that are non-CWA equivalent/ non-Class  Corrosive Characteristic Wastes, non-CWA/non-CWA equivalent/  Wastes that are TC based on the  TITUENTS WASTES  ABCD ABCD ABCD ABCD	managed in non-CWA/ 1 SDWA Systems.  that are managed in non-Class 1 SDWA Systems  TCLP in SW846 Method 13

tify under penalty of law that I personally have examined and am familiar with the waste and that the law k contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or solites not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for mitting a false certification, including the possibility of fine or imprisonment."

Revise

IV. R	ESTRICT	TED WASTE NOT	IFICATION	<b>T</b> 2		011490349
	LINE	RCRA	WW	NWW	APPLICABLE	
	ITEM	CODE			SUBCATEGORY	
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		benzene			methanol	
		n-butyl alcohol			methylene chloride	
		iso-butyl alcohol			methyl ethyl ketone methyl isobutyl ketone	
		carbon disulfide carbon tetrachlor	ida		nitrobenzene	
		chlorobenzene	ide	_	pyridine	
		m-cresol			tetrachloroethylene	
		o-cresol	•		toluene	
4		p-cresol		ABCD_	1,1,1-trichloroethane	
		cresylic acid			1,1,2-trichloroethane	•
		cyclohexanone			trichloroethylene	
		o-dichlorobenzen	e		trichloromonofluorome	thane
		ethyl acetate			1,1,2-trichloro-1,2,2-tr	
		ethyl benzene			xylenes	
VI. C	ABCD_	VIA LIST WASTES NICKEL ≥ 134 mg/l LIQUIDS WITH PCB THALLIUM ≥ 130 m	's ≥ 50 PPM			
		HALOGENATED OR		HOC(s) > 10	00 mg/1	
	,mon_ ,	I I DOUD. LILED VII			оо <u>ш</u> д, г	
I certi	fy that the Subpart D a		ine items are not cohibitions set for ABC	subject to an th in Part 26 D_ NON HA	ny land disposal restricti 88 or RCRA Section 3004 AZ CODE AZ CODE	
	CERTIFI					
know! treatn	ledge of the nent standa	waste to support the	is notification that CPR 268, Subpart	t the waste d D or RCRA S	aste through analysis a lescribed on this page doo Section 3004(d), and all a	es not comply w
80	rth in appr	opriate regulatory tr	eatment standard	ls prior to la	nd disposal."	í
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Title:

Month

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Printed/Typed Name

## State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section



CN 421. Trenton, NJ 08625-0421 type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-96 :. Generator's US EPA D No. 'Aanifest 2. Page 1 UNIFORM HAZARDOUS Information in the snaded areas Document No.: WASTE MANIFEST is not required by Federal law. A. State Manifest Document Number NJA 21610 Generator to Hame and Mailing Address tige of the later of the B. State Generator's ID-(Gen. Site Address) .... Benerator's Phone Transcorter ! Company Name US EPA ID Number C. State Trans. ID-NJDEPE 5.8-1-1 , N. J. D. 9; 8, 2, 2, 8, 1, 0, 1, 6 Decal No.ransporter 2 Company Name D. Transporter's Phone ( For the Property States E. State Trans. ID-NJDEPE Designated Facility Name and Site Address US EPAI.D Number Decal No.-F Transporter's Phone ( G. State Facility's ID 10.11. A.W. H. Facility's Phone ( 12. Containers 14 USIGCT Description (Including Proper Shipping Name, mazard Class or Division O Number and Packing Group) Total Jan Waste No. Type Quantity Wt/Vot S. Bullding demolition/7172 95-991 Handling Codes for Wastes Listed Above debr1s Suedia, Hamiting Instructions, and Agolitional Information And the September was 6. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are rully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national if I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically graditicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and truture mreat to numan health and the environment: OR, if I am a small quantity generator, i have made a good faith effort to minimize my waste generation and select he sest waste management method that is available to me and that I can afford. Printed/Typed Name Month Day Year Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Jay 等有有力 Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Signature

ROLL-OFF	ENVIRONMENTAL TRANSP P.O. BOX 296 FLANDERS, NI (201) 347-8280 FAX: (2)	EW JERSEY 07836	MANII	FEST #	<b>-</b> (
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TOTAL: \$ \_



Recycling Treatment & Disposal of Hazardous Waste

CLE CHEM, S. FIRST ST. 'ABETH NJ C XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	7206	LAND DISPOSAL RESTRICTI NOTIFICATION AND CERTI	
erator No.	app Chen NJ DOOI 3 ysis available?	Manifest Num  315 28 2  No Yes, Copy Attached	mber <u>NTA21611</u>
IANIFEST LINE IFEM	F 5 5 5	ST ALL EPA HAZARDOUS ASTE CODES (RCRA CODES)	CCI PRODUCT SPIES
	ntified below contain	ENTS FOR WASTES THAT EXHIBITS a underlying hazardous constituents a	
· ITEM	EDA NO	TOPATABII ITV COCI ID	
D_	EPA NO. D001	Ignitable Characteristic Wastes, ex High TOC Subcategory, that are m non-CWA equivalent/ non-Class 1	nanaged in non-CWA/
•		Ignitable Characteristic Wastes, ex High TOC Subcategory, that are m	nanaged in non-CWA/ SDWA Systems.  hat are managed in
`D_	D001	Ignitable Characteristic Wastes, ex High TOC Subcategory, that are m non-CWA equivalent/ non-Class 1 Corrosive Characteristic Wastes, t	hanaged in non-CWA/ SDWA Systems.  hat are managed in non-Class 1 SDWA Systems.
D_ D_ DERLYING I	D001	Ignitable Characteristic Wastes, ex High TOC Subcategory, that are m non-CWA equivalent/ non-Class 1 Corrosive Characteristic Wastes, to non-CWA/non-CWA equivalent/ m Wastes that are TC based on the T	hanaged in non-CWA/ SDWA Systems.  hat are managed in non-Class 1 SDWA Systems.

tify under penalty of law that I personally have examined and am familiar with the waste and that the late contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or solid es not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for

nitting a false certification; including the possibility of fine or imprisonment."

1V. K	ESTRICT	ED WASTE NOTIFI	CATION			
	LINE	RCRA	ww	NWW	APPLICABLE	877490353
	ITEM .	CODE			SUBCATEGORY	
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ADCL		<del></del>			<del></del> -	
		acetone			_ ethyl ether _ methanol	
		benzene n-butyl alcohol			_ methalion _ methylene chloride	
		iso-butyl alcohol			methyl ethyl ketone	
	ABCD	carbon disulfide			methyl isobutyl ketone	
	ABCD	carbon tetrachloride			nitrobenzene	
<u> </u>		chlorobenzene			_ pyridine	*
		m-cresol		ABCD	tetrachloroethylene	
		o-cresol			_ toluene	
4		p-cresol			1,1,1-trichloroethane	•
,	ABCD_	cresylic acid			_ 1,1,2-trichloroethane	•
	ABCD_	cyclohexanone			_ trichloroethylene	<b>.</b>
	ABCD_	o-dichlorobenzene			<pre>trichloromonofluoromet 1,1,2-trichloro-1,2,2-trichloro-1</pre>	
		ethyl acetate ethyl benzene			_ 1,1,2-dicinoro-1,2,2-di _ xylenes	audi ocuiane
	MCD_	ediyi benzene			_ 13101100	
VI. C	ALIFORN	IA LIST WASTES				
		VICKEL ≥ 134 mg/1				
	ABCD_ I	LIQUIDS WITH PCB's 2	50 PPM			
		THALLIUM ≥ 130 mg/1				
	ABCD_ I	HALOGENATED ORGA	NIC CARBON (I	$HOC(s) \ge 1$	000 mg/1	
		ADDONG WACON O		<b>. 15.7</b>		
		ARDOUS WASTE C			any land disposal restrictio	no oo speelfer
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VIII.	CERTIFI	CATION				
					waste through analysis an	
					described on this page does	
					Section 3004(d), and all ap	pucable prom
set for	un in appro	opriate regulatory treat	ment standards	s prior to i	and disposal."	-
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Month Day

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.e ()		Generator's US E		Manifes Document		2. Pag	e 1	Info	ormat not re	ion in 1 equired	he shade by Fede	d area
3.	Generator's Name and Mailing Address 数字 证明性证明 3 相。	199 MAIN ST.	·			A. Sta	Nan Na	ifest C	ocum 2	nent Nu	107	9
	· · · · · · · · · · · · · · · · · · ·	CFA	tal ože	बेब -भागम		B. Su	te Gen	erator	's JD <sub>±</sub>	(Gen. S	ite Addres	<b>N</b>
	Generator's Phone ( AB )45 5520		- 410 50440	N		-			***		-7/	٥
B A		ショ・ルッチェップの このと グンバーサ	110000		6/	C. Si	ite Tran	S. ID-			1-1-1	
	Transporter 2 Company Name	8.	US EPA ID	Number		D. Tre	insporte			-3-1	1377	<b>73</b>
		1_1	11111	1 1 ! !	1	E. Su	te Tran	s. ID-	NJDE	PE-		
9.	Designated Facility Name and Site Address	10.	US EPA ID I	Number					al No	لبنــــا	<u>.</u>	
	rer gang einer of.						insporte				<u>) : </u>	<del>-</del> -
	BEINGER METER	26-0300 事 <sub>1</sub>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 9 9 9	7		cility's f			\$50	-5870	<del></del>
11.	US DOT Description (Including Proper Shipping No. 10 Number and Packing Grounds	iame. Hazard Class	or Division.	}	Conta			13. Fotal Jantity		14. Unit Wt/Vol		I. ste No
a.	OF CONTRACTORS					(#1	<u> </u>	Janus			710	
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J.	Additional Descriptions for Materials Listed Above building description/fire					K. H	andling	Code	s for \	Vastes	Listed Ab	0/9
	, building demolition/fire 5-99%,debris	<b>c</b> .	•			<b>a</b> .	1	,  -	-:··		• •	** 1
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b		d.				b.	t-	1		d.		, 1
15.	Special Handling Instructions and Additional Inform	mation 45	eratival a restuda	108-442-	4900	)	00	i .	.) <u> </u>	. 5	2.3	
	11. OF # 145 A.d.			•								
	WORKS CHEROSON PA	6A75 11 7	100 7 3					•		4.0	527043	١.
16.	GENERATOR'S CERTIFICATION: I hereby declare classified, packed, marked, and labeled, and are	e that the contents	of this consignment	are fully and a	ccural	ely des	cribed a	bove	by pr	oper st	ipping na	me ar
	government regulations.	iii wii respecte iii	proper condition for	(anaport by		-, 400	Julia i	: c math	/iiCaU/i	9 HILET	10(101101 0	
	If I am a large quantity generator, I certify that I have economically practicable and that I have selected it future threat to human health and the environment;	he practicable meth ; OR, if I am a small	iod of treatment, stor I quantity generator, I	age, or dispos	al cum	ently a	vailable	to me	whic	h minin	nizes the p	X GSGI
	the best waste management method that is available Printed/Typed Name	pie to me and that i	Signature	·			· · ·	<u>.</u>	:	<del></del>	Month I	Day
	Transporter 1 Acknowledgement of Receipt of Mate							:			1.11	لال
		eriais	Signature	<del> </del>		<del></del>	···		<u> </u>	<del></del>	Month !	Day
17.	Printed/Typed Name							٠.		•	ার	119
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18.	Transporter 2 Acknowledgement of Receipt of Mate Printed/Typed Name	erials	Signature		<u> </u>					•	Month	Day
18.	Transporter 2 Acknowledgement of Receipt of Mate	erials	Signature				:	·			Month	Day
18.	Transporter 2 Acknowledgement of Receipt of Mate Printed/Typed Name	erials	Signature				:				Month	Day

Signature

				01173030
ROLL-OFF		P.O. BOX 296 FLANI	RANSPORT GROUP, INC. DERS, NEW JERSEY 07836 FAX: (201) 347-3564	MANIFEST #
DUMPER		(201) 347-6286	FAX: (201) 347-3564	
CUSTOMER:	•	•	_ ATTN:	
SPOT		TIME	LOAD & GO	
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DELAY EXPLANATION \_\_\_\_\_

TOTAL: 8 \_\_\_\_\_

LINER

FUEL SURCHARGE &



### Recycling Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

CLE CHEM, INC. 'S. FIRST ST.

### LAND DISPOSAL RESTRICTIONS NOTIFICATION AND CERTIFICATION FORM

A ID No. te Analy	sis available?	Yes, Copy Attached
NIFEST I LINE ITEM	NWW, W	ST ALL EPA HAZARDOUS ASTE CODES (RCRA CODES)  CODES CO
		ENTS FOR WASTES THAT EXHIBIT A CHARACTERISTIC s underlying hazardous constituents as defined in 268.38  TREATABILITY GROUP
· <del>_</del> ··	D001	Ignitable Characteristic Wastes, except for the 261.21 (a) (1) High TOC Subcategory, that are managed in non-CWA/non-CWA equivalent/non-Class 1 SDWA Systems.
<b>:</b> -	D002	Corrosive Characteristic Wastes, that are managed in non-CWA/non-CWA equivalent/ non-Class 1 SDWA Systems
	D012-D043	Wastes that are TC based on the TCLP in SW846 Method 13
	AZARDOUS CONST 12-D043 OR F039 V	
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R PACK	CERTIFICATION	•
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V. FO01 - FO05 SPENT SOLVENT WASTES CONSTITUENT(S)  ABCDF001		ABCD_				! ! .		
V. F001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)  ABCDF001								
ABCD_f001 ABCD_F002 ABCD_F003 ABCD_f004 ABCD_  ABCD_acetone ABCD_benzene ABCD_methylene chloride  ABCD_n-butyl alcohol ABCD_methylene chloride  ABCD_carbon disulfide ABCD_methylene chloride  ABCD_carbon tetrachloride ABCD_methylene chloride  ABCD_carbon tetrachloride ABCD_methyl ketone  ABCD_carbon tetrachloride ABCD_methyl ketone  ABCD_carbon tetrachloride ABCD_pyridine  ABCD_n-cresol ABCD_pyridine  ABCD_o-cresol ABCD_pyridine  ABCD_o-cresol ABCD_tluene  ABCD_toluene ABCD_tluene  ABCD_cetyl acdd ABCD_1,1,1-trichloroethane  ABCD_cyclohexanone ABCD_1,1,1-trichloroethane  ABCD_cyclohexanone ABCD_trichloroethylene  ABCD_trichloroethylene ABCD_trichloroethylene  ABCD_tyl benzene ABCD_trichloroethylene  ABCD_tyl benzene ABCD_trichloroethylene  ABCD_tyl benzene ABCD_tylenes  VI. CALIFORNIA LIST WASTES  ABCD_NICKEL ≥ 134 mg/1  ABCD_THALLIUM ≥ 130 mg/1  ABCD_THALLIUM ≥ 130 mg/1  ABCD_THALCODE ABCD_NON HAZ CODE  ABCD_NON HAZ CODE ABCD_NON HAZ CODE  DACCON HAZ CODE  ABCD_NON HAZ CODE  ABCD_NON HAZ CODE  DACCON HAZ CODE  ABCD_NON HAZ CODE  DACCON HAZ CODE  ABCD_NON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON HAZ CODE  DACCON H		ABCD_		[ ]		[]		
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ABCD_ benzene  ABCD_ n-butyl alcohol  ABCD_ iso-butyl alcohol  ABCD_ methylene chloride  ABCD_ methyl thyl ketone  ABCD_ carbon disulfide  ABCD_ mitrobenzene  ABCD_ mitrobenzene  ABCD_ mitrobenzene  ABCD_ mitrobenzene  ABCD_ pyridine  ABCD_ o-cresol  ABCD_ o-cresol  ABCD_ it-trichloroethylene  ABCD_ o-cresol  ABCD_ pyridine  ABCD_ toluene  ABCD_ clovene  ABCD_ cresyltc acid  ABCD_ i.1.1-trichloroethane  ABCD_ cyclohexanone  ABCD_ cyclohexanone  ABCD_ o-ditchlorobenzene  ABCD_ o-ditchlorobenzene  ABCD_ o-ditchlorobenzene  ABCD_ o-thyl acetate  ABCD_ it-hichloromonofluoromethane  ABCD_ ethyl acetate  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ o-thyl acetate  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichlorobenzene  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichloro-1,2,2-trifluoroeth							• •	ABCD
ABCD_ benzene  ABCD_ n-butyl alcohol  ABCD_ iso-butyl alcohol  ABCD_ methylene chloride  ABCD_ methyl thyl ketone  ABCD_ carbon disulfide  ABCD_ mitrobenzene  ABCD_ mitrobenzene  ABCD_ mitrobenzene  ABCD_ mitrobenzene  ABCD_ pyridine  ABCD_ o-cresol  ABCD_ o-cresol  ABCD_ it-trichloroethylene  ABCD_ o-cresol  ABCD_ pyridine  ABCD_ toluene  ABCD_ clovene  ABCD_ cresyltc acid  ABCD_ i.1.1-trichloroethane  ABCD_ cyclohexanone  ABCD_ cyclohexanone  ABCD_ o-ditchlorobenzene  ABCD_ o-ditchlorobenzene  ABCD_ o-ditchlorobenzene  ABCD_ o-thyl acetate  ABCD_ it-hichloromonofluoromethane  ABCD_ ethyl acetate  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ o-thyl acetate  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichlorobenzene  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichlorobenzene  ABCD_ it-hichloro-1,2,2-trifluoroethane  ABCD_ it-hichloro-1,2,2-trifluoroeth		ABCD	acetone			ABCD	ethyl ether	
ABCD_ n-butyl alcohol ABCD_ iso-butyl alcohol ABCD_ carbon disulfide ABCD_ carbon disulfide ABCD_ carbon disulfide ABCD_ carbon tetrachloride ABCD_ carbon tetrachloride ABCD_ chlorobenzene ABCD_ chlorobenzene ABCD_ po-cresol ABCD_ o-cresol ABCD_ o-cresol ABCD_ p-cresol ABCD_ p-cresol ABCD_ p-cresol ABCD_ p-cresol ABCD_ p-cresol ABCD_ toluene ABCD_ cresylte acid ABCD_ cresylte acid ABCD_ cyclohexanone ABCD_ cyclohexanone ABCD_ cyclohexanone ABCD_ cyclohexanone ABCD_ chlorobenzene ABCD_ o-dichlorobenzene ABCD_ chlorobenzene ABCD_ ethyl acetate ABCD_ ethyl acetate ABCD_ trichloromonofluoromethane ABCD_ ethyl benzene  VI. CALIFORNIA LIST WASTES ABCD_ NICKEL ≥ 134 mg/1 ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM ABCD_ HALOGENATED ORGANIC CARBON (HCC's) ≥ 1000 mg/1  VII. NON HAZARDOUS WASTE CERTIFICATION I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d). ABCD_ NON HAZ CODE								
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ABCD_ carbon tetrachloride  ABCD_ chlorobenzene  ABCD_ m-cresol  ABCD_ m-cresol  ABCD_ toluene  ABCD_ p-cresol  ABCD_ p-cresol  ABCD_ p-cresol  ABCD_ trichloroethylene  ABCD_ cyclohexanone  ABCD_ cyclohexanone  ABCD_ chlorobenzene  ABCD_ chloroethylene  ABCD_ cyclohexanone  ABCD_ cyclohexanone  ABCD_ trichloroethylene  ABCD_ chlyl acetate  ABCD_ trichloroethylene  ABCD_ ethyl acetate  ABCD_ trichloromonofluoromethane  ABCD_ ethyl acetate  ABCD_ xylenes  VI. CALIFORNIA LIST WASTES  ABCD_ NICKEL ≥ 134 mg/1  ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM  ABCD_ THALLIUM ≥ 130 mg/1  ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/1  VII. NON HAZARDOUS WASTE CERTIFICATION  I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).  ABCD_ NON HAZ CODEABCD_ NON HAZ CODE  ABCD_ NON HAZ CODEABCD_ NON HAZ CODE  ABCD_ NON HAZ CODEABCD_ NON HAZ CODE  VIII. CERTIFICATION  'I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply wite teatmentstandards specified in 40 CPR 268, Subpart D or RCRA Section 3004(d), and all applicable prohif set forth in appropriate regulatory treatment standards prior to land disposal."  Signature:								
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ABCD_ p-cresol  ABCD_ cresylic acid  ABCD_ cyclohexanone  ABCD_ cyclohexanone  ABCD_ cyclohexanone  ABCD_ cyclohexanone  ABCD_ trichloroethylene  ABCD_ ethyl acetate  ABCD_ ethyl acetate  ABCD_ ethyl benzene  ABCD_ trichloromonofluoromethane  ABCD_ trichloro-1,2,2-trifluoroethane  ABCD_ trichlorononofluoromethane  ABCD_ ethyl benzene  ABCD_ xylenes  VI. CALIFORNIA LIST WASTES  ABCD_ NICKEL ≥ 134 mg/1  ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM  ABCD_ THALLIUM ≥ 130 mg/1  ABCD_ THALLIUM ≥ 130 mg/1  ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/1  VII. NON HAZARDOUS WASTE CERTIFICATION  I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).  ABCD_ NON HAZ CODE  ABCD_ NON HAZ CODE  ABCD_ NON HAZ CODE  VIII. CERTIFICATION  I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply we treatment standards specified in 40 CPR 268, Subpart D or RCRA Section 3004(d), and all applicable prohification that the waste described on this page does not comply we treatment standards specified in 40 CPR 268, Subpart D or RCRA Section 3004(d), and all applicable prohification that the waste described on this page does not comply we treatment standards specified in 40 CPR 268, Subpart D or RCRA Section 3004(d), and all applicable prohification that the waste to support at Fegulatory treatment standards prior to land disposal."						ABCD	toluene	
ABCD_ cresylic acid  ABCD_ cyclohexanone  ABCD_ cyclohexanone  ABCD_ o-dichlorobenzene  ABCD_ trichloroethylene  ABCD_ trichloroethylene  ABCD_ trichloroethylene  ABCD_ trichloroethylene  ABCD_ trichloroethylene  ABCD_ trichloroethylene  ABCD_ trichloroethylene  ABCD_ trichloroethylene  ABCD_ trichloroethylene  ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane  ABCD_ wylenes  VI. CALIFORNIA LIST WASTES  ABCD_ NICKEL ≥ 134 mg/1  ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM  ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM  ABCD_ HALLIUM ≥ 130 mg/1  ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/1  VII. NON HAZARDOUS WASTE CERTIFICATION  I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).  ABCD_ NON HAZ CODE						ABCD	1,1,1-trichloroethane	
ABCD_ cyclohexanone ABCD_ o-dichlorobenzene ABCD_ o-dichlorobenzene ABCD_ ethyl acetate ABCD_ ethyl benzene ABCD_ trichloromonofluoromethane ABCD_ trichloromonofluoromethane ABCD_ trichloromonofluoromethane ABCD_ trichloromonofluoromethane ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane ABCD_ NICKEL ≥ 134 mg/1 ABCD_ NICKEL ≥ 134 mg/1 ABCD_ INCKEL ≥ 134 mg/1 ABCD_ THALLIUM ≥ 130 mg/1 ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/1  VII. NON HAZARDOUS WASTE CERTIFICATION I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d). ABCD_ NON HAZ CODE ABCD_ NON HAZ CODE ABCD_ NON HAZ CODE ABCD_ NON HAZ CODE  VIII. CERTIFICATION I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply with treatment standards specified in 40 CPR 268, Subpart D or RCRA Section 3004(d), and all applicable prohifs set forth in appropriate regulatory treatment standards prior to land disposal."  Signature:	ŧ					ABCD	1,1,2-trichloroethane	
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ABCD_ ethyl benzene  VI. CALIFORNIA LIST WASTES  ABCD_ NICKEL ≥ 134 mg/1  ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM  ABCD_ THALLIUM ≥ 130 mg/1  ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/1  VII. NON HAZARDOUS WASTE CERTIFICATION  I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).  ABCD_ NON HAZ CODE ABCD_ NON HAZ CODE  VIII. CERTIFICATION  I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply with the treatment standards specified in 40 CPR 268, Subpart D or RCRA Section 3004(d), and all applicable prohift set forth in appropriate regulatory treatment standards prior to land disposal."  Signature:		ABCD	o-dichlorobe	nzene				
VI. CALIFORNIA LIST WASTES  ABCD_ NICKEL ≥ 134 mg/1  ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM  ABCD_ THALLIUM ≥ 130 mg/1  ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/1  VII. NON HAZARDOUS WASTE CERTIFICATION  I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).  ABCD_ NON HAZ CODEABCD_ NON HAZ CODEABCD_ NON HAZ CODEABCD_ NON HAZ CODEABCD_ NON HAZ CODE  VIII. CERTIFICATION  "I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply we treatment/standards specified in 40 CPR 268, Subpart D or RCRA Section 3004(d), and all applicable prohifs set forth in appropriate regulatory treatment standards prior to land disposal."  Signature:		ABCD	ethyl acetate			ABCD	_ 1,1,2-trichloro-1,2,2-tri	lluoroethane
ABCD_ NICKEL ≥ 134 mg/1  ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM  ABCD_ THALLIUM ≥ 130 mg/1  ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/1  VII. NON HAZARDOUS WASTE CERTIFICATION  I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).  ABCD_ NON HAZ CODE_ ABCD_ NON HAZ CODE		ABCD_	ethyl benzen	e		ABCD	_ xylenes	
ABCD_ HALLIUM ≥ 130 mg/1 ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/1  VII. NON HAZARDOUS WASTE CERTIFICATION  I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).  ABCD_ NON HAZ CODE ABCD_ NON HAZ CODE  ABCD_ NON HAZ CODE ABCD_ NON HAZ CODE  VIII. CERTIFICATION  I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply we treatment standards specified in 40 CPR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibits set forth in appropriate regulatory treatment standards prior to land disposal.  Signature: Date:	VI. C							
ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/1  VII. NON HAZARDOUS WASTE CERTIFICATION I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).  ABCD_ NON HAZ CODE ABCD_ NON HAZ CODE  ABCD_ NON HAZ CODE ABCD_ NON HAZ CODE  VIII. CERTIFICATION I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply we treatment/standards specified in 40 CPR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibits set forth in appropriate regulatory treatment standards prior to land disposal."  Signature:		ABCD_	NICKEL ≥ 134	mg/l				
VII. NON HAZARDOUS WASTE CERTIFICATION  I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).  ABCD_ NON HAZ CODE		ABCD_	LIQUIDS WITH	. PCB'8 ≥ 50 PF	'M			
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ABCD_NON HAZ CODE								
ABCD_ NON HAZ CODE  VIII. CERTIFICATION  "I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply with treatment standards specified in 40 CPR 268, Subpart D or RCRA Section 3004(d), and all applicable prohit set forth in appropriate regulatory treatment standards prior to land disposal."  Signature:  Date:	ABCE	NON H	AZ CODE X7	0				<b>,.</b>
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treatment standards specified in 40 CPR 268, Subpart D or RCRA Section 3004(d), and all applicable prohit set forth in appropriate regulatory treatment standards prior to land disposal."  Signature:  Date:  Date:	"I not	ify that I	personally exar	nined and am	familiar v	with the v	waste through analysis an	d testing or th
Signature:	know	ledge of the	e waste to suppo ards specified in	ort this notifica n 40 CPR 268.	tion that Subpart I	the waste O or RCRA	described on this page does Section 3004(d), and all ar	s not comply w
Signature:								
/ VII Gua- July 1	(		-)(	O Ja	Dal		5/19/95	- (
Print Name: HGAZQA/SK; Title: QC Revise	Signa	ture:	<u> </u>		XXXX	<u> ۱۷۲</u> D	ate: 0/11/13	
	Print	Name:	HI G	42dAls	Ki	T	itle: \( \array{\array}{\array} \)	Revise







## State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421

UNIFORM HAZARDOUS	1. Generator 5 US	EP 4 10 No.	Manifest No.	1 2. 3age 1	intermation in the shaded areas
WASTE MANIFEST		: <u>:   1 4 4</u>	Document No.		is not required by Federal law
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			•	3. State Ger	nerator's ID-(Gen. Site Address)
Generator s Phone					
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CLEAN YENTURE INC.	<u></u>	-1-0-9-3->	D Number	1	Decal No.
Transporter & Company Name	3. 3. 1.15		الم المراكب المراكب	D. Transport	er's Phone ( - 998=469=490
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	PLATE X	<u>, ^ / _ </u>	17 <b>7.7</b> 2.2.3		***
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gavernment regulations.			•	•	
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Tuture inreat to numan health and the environ	nment: CR. III am a sma	Il quantity generate	r. , have made a good	faith effort to m	ninimize my waste generation and se
the cest waste management method that is PrintaciTyped Name	available to the SEG ://all	Signature		······································	Month Cav
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ransporter: Acknowledgement of Receipt	of Materials	<u>-</u>			
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. Transporter 2 Acknowledgement of Receipt (					· · · · · · · · · · · · · · · · · · ·
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Facility Owner or Operator: Certification of re	eceipt of nazardous mate	rials covered by th	is manifest except as	noted in Itam 1	9.
Printegriyoad Name		Signature			Month Day



217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

CYCLE CHEM, 217 S. FIRST ST ELIZABETH NJ	•	LAND DISPOSAL RESTRIC NOTIFICATION AND CER	
NJD00220004	6	<u></u>	in the second of
Generator \(\sigma\)	Japp Che	MICOIS INC. Manifest No	umber NJA 21610
USEPA ID No	NJ D0013	12585	
	ysis available?	No Yes, Copy Attache	ed
I. MANIFEST	INFORMATION		
LINE		ST ALL EPA HAZARDOUS ASTE CODES (RCRA CODES)	CCI PRODUCT CODES HOUS 5 -
		NTS FOR WASTES THAT EXHIB s underlying hazardous constituents	
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ABCD_	D002	Corrosive Characteristic Wastes, non-CWA/non-CWA equivalent/	
ABCD_	D012-D043	Wastes that are TC based on the	TCLP in SW846 Method 131
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submitting a false certification, including the possibility of fine or imprisonment."

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t	ify that the	following man	ifest line items	s are not sul	bject to a	ny land disposal res	trictions	as specified in 40
	Subpart D a	ind all applica	ble prohibition	is set forth i	n Part 26	88 or RCRA Section	3004 (d).	
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1	D NON HA	Z CODE	-	ABCD_	NON H	AZ CODE		
	CERTIFIC							
)	tify that I p	ersonally exam	nined and am	i familiar w	th the w	aste through analy	sis and t	esting or through
¥.	rledge of the	waste to supp	ort this notific	ation that th	e waste c	lescribed on this par	ge does n	ot comply with the
ŗ	ment standa	rds specified i	n 40 CPR 268,	Suppart D	or RCRA	Section 3004(d), and	тап аррп	cable promotion:
C	orth in appro	opriate regulate	ory treatment	standards p	orior to la	na disposai."		
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.t	Name:	71 19	MYaU	/ンK :	Tit	le: <u>(</u> \( \( \)		Revised 12/9

EPA Form 3700-22 (Rev. 9/88) Previous equinns are obsolete



#### State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program **Manifest Section**



CN 421, Trenton, NJ 08625-0421 be or print in block eiters. (Form designed for use on elite (12-pitch) typewriter.) Form Actioned. OMB No. 2050-0039 Expire :. Generator s US EPA ID No. Manifest UNIFORM HAZARDOUS Information in the snaded a Dodnine u. Frod or and a final final final final final final final final final final final final final final final final final WASTE MANIFEST is not required by Federal NJA 2161069 senerator's Name and Mailing Address B. State Generator's ID-(Gen. Site Address) 3 Generator si Phone US EPA ID Number ransporter 1 Company Name C. State Trans. 1D-NJDEPE CLEAN-VENTURE-INC: 141915181518161616141 Decal No. ransporter 2 Company Name US EPA ID Number D. Transporter's Phone (\*908 11111 E. State Trans. ID-NJDEPE Designated Facility Name and Site Address US EPA ID Number Decal No. ar ar a. Fransporter's Phone ( G. State Facility's ID H. Facility's Phone 12. Containers 13 14 Including Proper Shubbing Nam ID Number and Phoxing Group) Name, Hazara Class or Division Unit Total Waste Quantity :Wt/Voi s, oullaing Jesolitton/irtes K. Handling Codes for Wastes Listed Above 95-99% debris Enecial manaling\_nstructions\_ang-Additional Information PLATE grande and the second second ٠,٠ GENERATOR'S CERTIFICATION: I nereby declare that the contents of this consignment are fully and accurately described above by proper shipping name classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and fill am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determine economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the pres ruture threat to human health and the environment: CR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation an the best waste management method that is available to me and that I can afford. Printed Name Signature •:. Transporter : Acknowledgement of Receipt of Materials Printed/Typed Name Month Signature Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature **Month** Dav Discrepancy Indication Space Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as acted in Item 19. Signature Month Day Printed/Typed Name

ROLL-OFF	ENVIRONMENTAL TRAI P.O. BOX 296 FLANDERS (201) 347-8280 FAX	S, NEW JERSEY 07836	MANIFEST #
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#### **Container Returns**

CUST. NO.



5/27,

CHEMICAL COMPANY, INC.

302 West Oakland Avenue ■ P.O. Box 440 ■ Oakland, N.J. 07436-0440 (201) 337-0900 ■ 1 (800) 888-9822 ■ FAX: (201) 337-9026

SH-P	Brown Chem. Co. 302 West Dalland Ave
T	Dakland, N.J.

BILL OF LADING NUM

NOTE:
CONTAINERS RETURNED SUBJECT TO INSPECTION

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DRIVER	To the	by f. dil

) COPY

Bill Of Lading

UST. NO.



CHEMICAL COMPANY, INC.

302 West Oakland Avenue P.O. Box 440 Oakland, N.J. 07436-0440 (201) 337-0900 **1** (800) 888-9822 **FAX**: (201) 337-9026

Brown Chem. Co. 30 2 west Oakland Ave. Oakland, N.J.

BILL OF LADING NUMBER

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SISTANCE IN ANY TRANSPORTATION EMERGENCY INVOLVING CHEMICALS: 4E DAY OR NIGHT FREE - (800) 424-9300

EIVED ABOVE MERCHANDIGE IN GODD COND!

ÆR.

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELLED AND ARI IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATION OF THE DEPARTMENT OF TRANSPORTATION.

**FOREMAN** 



Recycling Treatment & Disposal of Hazardous Was

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

CYCLE CHEM,	INC.
217 S. FIRST ST	
ELIZABETH NJ	07206
N.ID00220004	6

LAND DISPOSAL RESTRICTIONS
NOTIFICATION AND CERTIFICATION FORM.

ELIZABETH NJ (			
Generator 1	1	ica is Inc Manifest	Number NJA 21610
USEPA ID No. Is Waste Anal	ysis available?	No Yes, Copy Attac	hed
I. MANIFEST	INFORMATION		
LINE		STE CODES (RCRA CODES)	CCI PRODUCT CODES CEHOOS-G
		NTS FOR WASTES THAT EXH	
T wastes idea	ntified below contains	underlying hazardous constituen	ts as defined in 268.38
LINE ITEM	EPA NO.	TREATABILITY GROUP	
ABCD_	D001	Ignitable Characteristic Wastes High TOC Subcategory, that as non-CWA equivalent/ non-Clar	re managed in non-CWA/
ABCD_	D002	Corrosive Characteristic Waste non-CWA/non-CWA equivalen	es, that are managed in t/ non-Class 1 SDWA Systems
ABCD_	D012-D043	Wastes that are TC based on the	he TCLP in SW846 Method 131
	HAZARDOUS CONSTI 012-D043 OR F039 W		
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1000	manufacture of the second of t		

I certify under penalty of law that I personally have examined and am familiar with the waste and that I pack contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, o wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalt submitting a false certification, including the possibility of fine or imprisonment.



# State of New Jersey. Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421



se type or print in block letters. (Form designed for use on eli			Form Approved. OMB	No. 2050-0039. Exp
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WASTE MANIFEST	111111111	1048		required by Federa
B. Generator's Name and Mailing Address 대한 (建計) 교통 기계 : 기계 기계 기계 기계 기계 기계 기계 기계 기계 기계 기계 기계 기계	4 14	. [-	A. State Manifest Doci	
1491	M 137 544 49	.v. F	NUA	CTDTAD
	Some of the second		B. State Generator's IC	Cigen. Site Address
4. Generator's Phone ( 学者 デージャン	·		COLUMN TO A SECURITARIO DE COMPANSA CONTRA COLUMN CONTRA COLUMN C	1 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1
5. Transporter & Company Name	6. US EPA ID Numbe	r j	C. State Trains. 10-NUD	EPE TO
-CLEARNENTURE_LRC-	H J D 9 8 2 2 8		in rost and SynDocal A	יאום סביים
7. Transporter 7 Company Name	8. US EPA ID Numbe	ſ	D. Transporter's Phone	-466
7. Transporter & Company Name  Lyb Unce at Time and Site Address  9. Designated Eacility Name and Site Address	1917 17 17 19 17 14 14	111/1/	E.=State Trans. ID-NJD	
5. Designated racinty manie and one Address	10. US EPA ID Numbe	r ' L	Decal	16/16
CICLE CHEN CAC.			F. Transporter's Phone	(201) 342
CH SOUTH FIRST ST.	4. 28 4 5 3 2		G. State Facility's ID	
ELIMEAN IN 17726-0000	<u> </u>		H. Facility's Phone ( )	100-0010
11. US DOT Description (Including Proper Shipping Name, Haza	ard Class or Division.	12. Contai	ners 13 Total	Unit 5
HM ID Number and Packing Group)		No.	Type Quantity	WVVol Waste
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			K. Handling Codes for	<u> </u>
J. Additional Descriptions for Materials Listed Above S. building demolitien/dire 95-99% debris a.	e de la companya de l	21.3 21.3 21.3 21.3 21.3 21.3 21.3 21.3		9
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16. GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked, and labeled, and are in all resignovernment regulations. If I am a large quantity generator, I certify that I have a progr	pects in proper condition for transp	ort by highwa	y according to applicat	ble international and
economically practicable and that I have selected the practical future threat to human health and the environment; OR, if I are	able method of treatment, storage, or m a small quantity generator, I have	disposal curre	ntly available to me wh	ich minimizes the pr
the best waste management method that is available to me a Printed/Typed Name	and that I can afford. Signature	<u> </u>		Month Di
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19. Discrepancy Indication Space	.,,			10
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20. Facility Owner or Operator: Certification of receipt of hazardo	ous materials covered by this manife	st except as n	oted in Item 19.	
Printed/Typed Name	Signature			Month D
	·			111

	ENVIRONMENTA	L TRANSPORT GROUP, INC.	
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Recycling Treatment & Disposal of Hazardous Was

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

CYCLE CHEM, INC. 217 S. FIRST ST. ELIZABETH NJ 07206 LAND DISPOSAL RESTRICTIONS
NOTIFICATION AND CERTIFICATION FORM

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Generator	Japp Chen	icals	Manifest Nun	aber NJA	21616
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ABCD_	D002	Corrosive Character non-CWA/non-CWA	istic Wastes, tl	nat are managed	in .
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wastes not sub	only was established	e not been excluded with 10.0FR Part 261. I a	m awate that i	LIV to AU CFR P there are signific	art 268, 0 ant penält

RESTRICTED WASTE NOTIFICATION	; <u>}</u>	4 75 75 7 7 7 7 7	
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ABCD	(1) _	*	· Parker
NATIONAL CONTRACTOR OF THE CONTRACTOR OF	ANGTITUTE	NT(C)	
001 - F005 SPENT SOLVENT WASTES CO			ADOD DOOF
DF001 ABCDF002 ABCD	F003	ABCDF004	ABCDF005
ABCD_ acetone		ethyl ether	
ABCD_benzene		methanol	· • • • • • • • • • • • • • • • • • • •
· ABCD_ n-butyl alcohol		methylene chloride	
ABCD_ iso-butyl alcohol		methyl ethyl ketone	
ABCD_ carbon disulfide		methyl isobutyl ketone	
ABCD_ carbon tetrachloride		nitrobenzene	,
ABCD_ chlorobenzene		pyridine	
ABCD_ m-cresol	_	tetrachloroethylene	
ABCD_ o-cresol		toluene	
ABCD_ p-cresol	ABCD_	1,1,1-trichloroethane	,
ABCD_ cresylic acid		1,1,2-trichloroethane	
ABCD_ cyclohexanone		trichloroethylene	-41
ABCD_ o-dichlorobenzene		trichloromonofluorome 1,1,2-trichloro-1,2,2-t	
ABCD_ ethyl acetate		xylenes	rmuoroemane
ABCD_ ethyl benzene	WDCD_	Aylenes	
ALIFORNIA LIST WASTES			
ABCD_ NICKEL ≥ 134 mg/1		<b>)</b>	
ABCD LIQUIDS WITH PCB's ≥ 50 PPM		•	•
ABCD THALLIUM ≥ 130 mg/1			
ABCD HALOGENATED ORGANIC CARBON	(HOC's) > 100	00 mg/1	- VA
			•
NON HAZARDOUS WASTE CERTIFICATION			
fy that the following manifest line items are not		ny land disposal restrict	ions as specified in 4
Subpart D and all applicable prohibitions set for	th in Part 26	8 or RCRA Section 3004	k (d).
NON HAZ CODE X 9/0 ABC	D_ NON HA	Z CODE	
NON HAZ CODE ABC	D NON HA	AZ CODE	
CERTIFICATION -	n s <b>a</b> nus masi	isaiT arbrash en	<b>y</b>
ify that I personally examined and am familiar			
ledge of the waste to support this notification tha			
nent standards specified in 40 CPR 268, Subpart			applicable prohibition
	ls prior to lar	nd disposal."	
		-	
th in appropriate regulatory treatment standard	on stion ∩	Meeri John Works (1807)	
th in appropriate regulatory treatment standard		THE PARTY	76
th in appropriate regulatory treatment standard	dits ation	51221	15
th in appropriate regulatory treatment standard	This entire	51221	877490370



# State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421



	UNIFORM HAZARDOUS WASTE MANIFEST	Generator's US E	PA ID No.	Manifest cument/10.7	2. Page	uniorma	tion in t	he shaded are by Federal la
3.		199 junta 57. Ludi	tal 67844-0	(प्रदेश:	B. Stat	e Manifest Docu NJA e Generator's ID	215	1067
<b>4</b> . <b>5</b> .	Generator's Phone ( ), SS ( )	6.	US EPA ID Numbe	er : i	TO the same	e Trans. ID-NUDI	A-5-3	3-5-6
	-GLEAN_VENTURE INC:	*	3 9 8 2 2 8	1011		! Decal N		6173
7.	Transporter Company Name	11 - B.	US EPA ID Numbe	Zichád.		nsporter's Phone		442-
9.	Designated Facility Name and Site Address	10				Decal N		
	CICLE CHEM INC. 217 STATES FIRST ST.				<del></del>	nsporter's Phone.	रुव	1371:8:
	ELIMEN DA 972	96-1988) k	<b>ታየ</b> ይዩ ይዩካ ዩ	9 4 9		ility's Phone (	1	-3 <del>000</del>
11.	. US DOT Description (Including Proper Shipping N ID Number and Packing Gro	lame, Hazard Class up)	s or Division,	12. Conta		13. Total Quantity	14. Unit Wt/Vol	I.
a.	PROBE CHAPTERS, PROGRESS LINES			1101			1.	710
	PIO DOEARDE PERA	· · · · · · · · · · · · · · · · · · ·			O;	00020	1	
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	5 Adding Parigus McMarth Hyperbes 95-998 debris		#2 10 10 10 10 10 10 10 10 10 10 10 10 10	12° 2	K. Hai	ndling Codes for	Wastes	LISTEG ADOVE
<u>a.</u>		c				100000000000000000000000000000000000000	-	· · · · · · · · · · · · · · · · · · ·
15.	Special Handling Instructions and Additional Infor	mation Elf	THE PURIS 908-	<del>142-490</del> 6	0.	C U 2	) <b>0</b> .	2:79
	MARIN 11/4 - 1 1/4 - 1 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1	•		•				
	A/314792-0EH995-00							927-945
16.	classified, packed, marked, and labeled, and are government regulations.  If I am a large quantity generator, I certify that I his economically practicable and that I have selected future threat to human health and the environment the best waste management, method that is available.	e in all respects in ave a program in pl the practicable met t; OR, if t am a sma	ace to reduce the volume all hod of treatment, storage, o ill quantity generator, I have I can afford.	port by highw nd toxicity of v or disposal cur	vaste ge	rding to applicab nerated to the de allable to me which	le interi gree I h ch minin	national and natio
٠. ٢	Printed/Typed Name		Signature	III				Month Day
17.	. Transporter 1 Acknowledgement of Receipt of Ma	terials	1		<u>.</u>		- 35 <u>+</u> .	
<i>[.</i>	Printed/Typed Name F. Morriso		Signature	1. 1	h.	cde many		Month Day
18.	Transporter 2 Acknowledgement of Receipt of Ma Printed/Typed Name	rea (SI2	Signature	<del>'</del>	10 T			Month Day
19	Discrepancy Indication Space	·						<del></del>
•								•
20.	Facility Owner or Operator: Certification of receipt	of hazardous mate	erials covered by this manife	est except as	noted in	Item 19.		
20.	Facility Owner or Operator: Certification of receipt Printed/Typed Name	of hazardous mate	erials covered by this manife	est except as	noted in	Item 19.		Month Day

ROLL-OFF	ENVIRONMENTAL TRANSF P.O. BOX 296 FLANDERS, NI (201) 347-8200 FAX: (2	EW JERSEY 07836	MANIFEST #
CUSTOMER:	1 hertine	ATTN:	
SPOT DATE	TIME	LOAD & GO	·
LOCATION:	34 1 T	_ SPOT CHARGES:	•
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JOB #	P.O. #	W.O. #	
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SIGNATURE			_
PICK-UP CONTAINER:	DATE	TIME	
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<b>₹</b> <u>₹</u> .		FUEL SURCHARGE S	•

TOTAL: \$ \_\_\_ 877490372



containers.

## United Cooperage

No

ORPORATION

P.O. Box 22 Berlin, NJ 08009 (609) 767-6644 1-800-775-6645 Fax (609) 768-9747

	DORESS 199 Main SA	^ 7:	<del></del>
ہ سے	TY LOCU STATE DE ZIF	12	44 
QUANTITY	DESCRIPTION	PRICE	AMOUNT
	Usa empty drums.		
I hereby certify th	EMPTY DRUM CERTIFICATION  That these drums are "empty" as that term is defined in the National R261.7°, and that they have been properly prepared for transportal ansportation 49 CFR 173.29.°  CHAZCIAISK  Saudalan  Sa	al Environmenta tion under the re	I Protection Agency egulations of the U.S.
"A containeri (I) All wastes h	ost regulated residues, EPA's 40 CFR 261.7 says: s empty if: nave been removed that can be removed using the practices comr rpe of container, e.g., pouring, pumping, and aspirating.	nonly employed	to remove materials
and	nan 2.5 centimeters (one inch) of residue remain on the bottom of	the container	.*
EPA has explained	d this rule, saying that "one inch of waste material is an overriding of cannot be removed by normal means. The rationale for this provi- scous materials that will remain in the container even after the cor	onstraint and ma sion is that there	y remain in an empty are certain tars and
For residues of procontainer has be method shown to	roducts specifically listed by name in 40 CFR 261.33(e), EPA say seen triple-rinsed using a solvent capable of removing" the produ achieve equivalent removal.	s the container ict, or has been	is empty only "if the cleaned by another
**DOTs 49 CFR 11	73.29 says that all openings on the empty container must be closed, e drum were full of its original contents. A DOT shipping paper is not you contract or private motor carrier. DOT placarding is not re-	required for tran	sportation of a drum

"DEALER IN STEEL DRUMS"



217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

CLE CHEM, INC. S. FIRST ST. **ABETH NJ 07206** 

#### LAND DISPOSAL RESTRICTIONS NOTIFICATION AND CERTIFICATION FORM

_	sis available? NFORMATION	. ·	
LINE ITEM	WW NWW الالالا	WASTE CODES (RCRA CODES)	CCI PRODUCT CODES
		MENTS FOR WASTES THAT EXHIB ains underlying hazardous constituents	
ITEM	EPA NO.	TREATABILITY GROUP	
<u>.</u>	D001	Ignitable Characteristic Wastes, e High TOC Subcategory, that are non-CWA equivalent/ non-Class	managed in non-CWA/
_	D002	Corrosive Characteristic Wastes, non-CWA/non-CWA equivalent/	that are managed in non-Class 1 SDWA Systems.
_	D012-D043	Wastes that are TC based on the	TCLP in SW846 Method 131
	AZARDOUS CON 12-D043 OR F03		
		ABCD	
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Month Day



# State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section CN-421, Trenton, NJ 08625-0421



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e or print in block letters. (Form designe				11						expires 5	-30
UNIFORM HAZARDOUS WASTE MANIFEST	1	S US EPA ID No.	721812 00	Manifest ocument No.	2. Page of	-	is not i	equired	by Fed	ied area ierai law	
nerator's Name and Mailing Address					A. Stat	Mahife	of Docum	ment Nu	mber ``		
PTECHNOLOGIES IN	<b>C</b> •					NJ	A :	211	123	26	
MAIN STREET	- 1 H//				B. Stat	e Genera	tor's ID	(Gen. S	ite Addr	ess)	
Readi's Phone 7 25 12 7	- 223	·			· ·	36	ME	•		•	
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AN VENTURE INC.			18228				Decal N				
insporter 2 Company Name		8. US	S EPA ID Numbe	er	D. Tran	sporter's	Phone	190	944	2.44	ي د
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signated Facility Name and Site Address		10. US	S EPA ID Numbe	er .			Decal N	0			
cle Chem						sporter's		(	)	<u></u>	
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If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

	HI GAZANISKI	1 11/2 2 2	A F LY L	105124914
	Transporter 1 Acknowledgement of Receipt of Materials		7//	
	Printed/Typed,Name	Signature		. Month Day Year
`.	Transporter Acknowledgement of Receipt of Materials	- Alto	Lille	NISTAVI JU
Ĵ	Printed/Typed Name	Signature	J	, Month Day Year

Signature

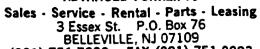
Discrepancy Indication Space

Printed/Typed Name

STRAIGHT BILL				Ch:	- No			
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RECEIVED, subject to the classification packages unknown), marked, contract) agrees to carry to its veusi place.	s and lawfully filed tariffs in effect on the and destined as indicated above which a of delivery at said destination, if on its ro	e date of leave of this BM of L said carrier (the word carrier be oute, otherwise to deliver to anot	ing understood throughout her certier on the route to:	this contract as a said destination.	meaning any person It is mutually agreed	or corporation in	contents and o possession of r of all or any o	condition of contex the property undi it, said property or
or any portion of said route to destination governing classification on the date of shi Shipper hereby certifies that he is familier	ament.					= '		
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### BARRETT

#### ADVANCED FORKLIFTS .





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ve described Equipment has been received in good repair and operating condition along with an operators manual and is accepted by LESSEE ject to the terms of a written Rental Agreement between LESSEE and LESSOR or, if there is no such written Rental Agreement then subject to the rms and conditions on the reverse side hereof, which are hereby made a part hereof by reference as if fully set forth herein. ED IN ABOVE DESCRIBED EXPITION (SIGNATURE)

RETURNED IN ABOVE DESCRIBED CONDITION (SIGNATURE

### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

ALADB. ALIENTE	
Generator Name: NAPP CHEMICALS INC	0 N.30.5
PAE4240810	Generator EPA ID Number: NJDC01315282
FAC424001U	
Manifest Northern	

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recon requirements specified in 40 CFR 268.7. I have indicated below the relevant information required to properly manage my waste(s) in compliance Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section

11a Approval/Lab Code: AD38235

Waste Water: N Non Waste Water: Y

UHC's: Y

Class Group: A

Waste Codes: D001 D002

Sub Categories:

HIGH TOC IGNITABLE CHARACTERISTIC LIQUIDS

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

11b Approval/Lab Code: AD38226

Waste Water: N Non Waste Water: Y

UHC's: Y

Class Group: A

Waste Codes: DOD2

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

-0210-5275 Moore® Continuous Interfolded® (1275)

See back for descriptions of classification groups and classification group certification statement.

believe that the information I submitted herein is true, sourate I hereby certify

Republic Environmental Systems, Inc.

DCN (01-204-F017) Rev. 0 12/95

STRAIGHT

#### BILL OF LADING

### REPUBLIC ENVIRONMENTAL SYSTEMS



2337 NORTH PENN ROAD HATFIELD PA 19440 ber 393707 1/1 EPA IDENTIFICATION CODE NO. NJD001315282 OF PICKUP 5-26-95 ADDRESS 199 MAIN STREET VERATOR NAPP CHEMICALS PHONE 201 773-3900 ZIP 07644 Y LODI STATE NJ VITACT: BOB LOEWENSTEIN BROKER: Containers Unit Total Waste No. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Wt./Völ. Quantity No. Type RQ WASTE CORROSIVE LIQUIDS, FLANMABLE, N.O.S., 8, UN2920, PG II (ISOPROPYL ALCOHOL, HEXA METHYLENE DIAMINE ) D M D 0 0 1 RQ WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II (NITRIC ACID ) G ススワ D 0 0 2 ditional Information/Lab Code Emergency Phone# **S01** AD38235 c AD38226 S01 H NTRACT/PO NO. SPECIAL INSTRUCTIONS / REASONS FOR DELAY OF OVERPACKS USED Over Bick I DRUM 0530 km VAL AT CUSTOMER 0730 LA PARTED CUSTOMER LAY TIME ENERATOR CERTIFICATION: hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations." I nd labeled, and are in all respects in proper condition for transport by highway times isted above fre true and correct. Signature rint Name TRAILER# 3/40 BOX SPOTTED# BOX PICKED UP# LINER ACTOR # PHONE NUMBER \_\_ 215 822-8995 ANSPORTER #1 REPUBLIC ENV. SYS. (PA) EPA ID NO. \_PADO85690592 MPANY Charles Beck JR INT NAME PHONE NUMBER \_215 822-2676 ANSPORTER #2 REPUBLIC ENV SYS (TRANS GROUP) EPA ID NO. PAD982661381. SIGNATURE INT NAME REASON FOR DELAY **DF ARRIVAL TIME** DF DEPARTURE TIME LAY TIME IISH TIME NSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592 ADDRESS - 2869 SANDSTONE DRIVE SIGNED TO REPUBLIC ENV SYS (PA) - ZIP 19440 PHONE 215. 822-8995 S IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL NT NAME.

te - GENERATOR FILE 1 - TRANSPORTER FILE Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

FORM #102 B

# PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Wash Management P.O. But 8550 Harrisburg, PA 17105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approve OMB No. 205(

EH-WM-51 H		PENNSTLVANIA MANIFES					Expires 9-30-6
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	201 773-3900				34	<b>L</b>	
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	porter 2 Company Name	8. US EPA ID Nur			sporter's Phone (		
DFI	PUBLIC ENV SYS (TRANS GROUP)	PAD98266	1.201		Trans. ID		322-899
9. Design	nated Facility Name and Site Address	10. US EPA ID NU		P	A-AH		_
OF!	PUBLIC ENV SYS (PA), INC.				sporter's Phone (	031	7
20	69 SANDSTONE DRIVE				<u> </u>	215_8	322-267
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# STRAIGHT BILL (\* LADING REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD

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## P.O. Box 8550 Harrisburg, PA 17105-8550

Form approved OMB No. 2050-

_	WM-51 REV. 10/94 OFFICIAL PENNSYLVANIA MANIFEST F	Unm				Expires 9-30-9
	UNIFORM HAZARDOUS WASTE MANIFEST N J D 0 0 1 3 1 5 2 8 2	Manifest Document No.	2. Page of	beniupen	on within the b by Federal law by State law.	
11	3. Generator's Name and Mailing Address NAPP CHEMICALS INC - a	• , , ,	A. State	Manifest Docume		040
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	5. Transporter 1 Company Name 6. US EPA ID Number			Trans. ID	·	
	REPUBLIC ENV. SYS. (PA) PADO85690 7. Transporter 2 Company Name B. US EPA ID Number	<u> 592</u>	P/	<u> 4-AH</u>	506	209
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11	REPUBLIC ENV SYS (TRANS GROUP)   P A D 9 8 2 6 6 1 : 9. Designated Facility Name and Site Address 10. US EPA ID Number	381	_	Trans. ID		
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# GAROFALO RECYCLING & TRANSFER STATION CO., INC.

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## GAROFALO RECYCLING & TRANSFER STATION CO., INC.

19-35 ATLANTIC STREET GARFIELD, N. J. 07026

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GAROFALO F TRANSFER STA 19-35 ATLA GARFIELD DATE	RECYCLING & ATION CO., INC. NTIC STREET N. J. 07026  S  Compaction	To	PP
GAROFALO F TRANSFER STA 19-35 ATLA GARFIELD DATE	RECYCLING & ATION CO., INC. NTIC STREET N. J. 07026  C S  C C C C C C C C C C C C C C C C C	To	PRICE
GAROFALO F TRANSFER STA 19-35 ATLA GARFIELD DATE	RECYCLING & ATION CO., INC. NTIC STREET N. J. 07026  CS  Compaction  Open Container  Drums	To // A	PRICE
GAROFALO F TRANSFER STA 19-35 ATLA GARFIELD DATE	RECYCLING & ATION CO., INC. NTIC STREET N. J. 07026  C S  Compaction  Open Container  Drums  Wood  Other	To // A	PRICE

TRANSFER ST 19:35 ATLA GARFIELD	RECYCLING & ATION CO., INC. ANTIC STREET  N. J. 07026	то	Nº (8)
DATE YAR	DS C	DESCRIPTION	PRICE
	Compaction		
	Open Container	80760	
	Drums	30000	
	Wood	S. PUCK	
	Other	No. 24481	
Lord# 4	7	* Stenes	
Truck #	3(-(164)	Signature	
TRANSFER ST. 19-35 ATLA GARFIELD	RECYCLING & ATION CO., INC. ANTIC STREET , N. J. 07026	To	Nº 81
DATEYAR	7	ESCRIPTION	
	Compaction		PRICE
	Open Container	78540	
	Drums	<u>78540</u> 36560	
	Wood		
	Other	A Secretary Control of the second	
Local# 3		2.50-	
Long # 3	54064	Signature	

GAROFALO REC TRANSFER STATIO 19-35 ATLANTIC GARFIELD, N. J	ON CO., INC.	TO NAPE	Nº 668 <b>2</b>
DATE			
YARDS	DE	SCRIPTION	PRICE
	Compaction	•	
	Open Container	. gartetiros	
	Drums	72XCV	
	Wood	36180	
	Other	MENERAL A	· .
(0x)# 2		AND DESSE TO A	<sup>1</sup>
Truck # NAGO	7/5D	Signature	
GAROFALO RECY TRANSFER STATIO 19-35 ATLANTIC GARFIELD, N. J. DATE 6/8/90	N CO., INC. STREET 07026	To	)
DATE YARDS		CRIPTION	PRICE
	Compaction	82460	
	Open Container	36/80	
	Drums	Service Control of th	
	Wood	A COUNTY	
	Othor		
1 1 4 1	Other		
LOAD # 1536		AND SERVICE OF THE PARTY OF THE	



### United Cooperage

Nº 3506

ORPORATION

P.O. Box 22 Berlin, NJ 08009 (609) 767-6644 1-800-775-6645 Fax (609) 768-9747

NAME May Technologies  ADDRESS 199 Main St  CITY Holi STATE D ZIP 07644							
DATE 6-5-95 CUSTOMER PO Verbal - Kert							
QUANTITY	DESCRIPTION	PRICE	AMOUNT				
180	Mod and dums						
,	opport or productions.						
	•						
RE	C'DEMPTY DRUM CERTIFICATION						
regulations, 40 CF Department of Tra Print Name Signature	at these drums are "empty" as that term is defined in the Nation R 261.7°, and that they have been properly prepared for transports insportation, 49 CER 173.29.*  Description of the Nation R 261.7 says:	al Environmenta ttion under the re	I Protection Agency gulations of the U.S.				
"A containeris		monly employed	to remove materials				
EPA has explained container only if it other extremely visible for residues of pro-	ian 2.5 centimeters (one inch) of residue remain on the bottom of this rule, saying that "one inch of waste material is an overriding connot be removed by normal means. The rationale for this proviscous materials that will remain in the container even after the conducts specifically listed by name in 40 CFR 261.33(e), EPA sayeen triple-rinsed using a solvent capable of removing" the products.	onstraint and may sion is that there ntainer is emptions to the container in	y remain in an empty are certain tars and d by normal means." is empty only "if the				

\*\*DOTs 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the drum were full of its original contents. A DOT shipping paper is not required for transportation of a drum for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.

"DEALER IN STEEL DRUMS"

method shown to achieve equivalent removal.

### MEROLA ENTERPRISES, INC.

TICKET#

8040

SOUTH KEARNY, NJ (201) 589-1600 PALM CITY, FLORIDA (407) 287-5000

DATE	PWR. UNIT #	160	1	DRIVER	,
6-5-95	TÁLR.# 100			N. 1	EM
CUSTOMER QUOT			MAI	NIFEST/BIL	L OF LADING #
CUSTOMER NAME	AUCHTER		^	NN H	AZ MANIFE
SITE ADDRESS:				. CONTAI	NER#
_LiNden A			IN	/	OUT
					54-20
MEROLA	YARD		U	INLOADING	TIME
IN		IN			
OUT		רטס			·
LOADING TIME		RET	RETURN TO YARD		
in 💝	a gott	IN			
OUT -	Buyley	τυο	•		•
DESCRIPTION:	TO Be	L		Box	Y &
Pel	TO BE	d Fe	red	OH	

CUSTOMER SIGNATURE DRIVER SIGNATURE

or the second second

											ĺ
		NON-HAZARDOUS WASTE MANIFEST	1. Generator's US		No.	Manifest Document No.	2. Page of			• •	•
_	3.	Generator's Name and Mailing Address			:	<del></del>			• • • •		
T		Happ Chemicals Inc.	Contact	Dob	Louvenate	la ·				•	
	4.	199 Nain Street, Lodi Generator's Phone ( 201 ) 773-390			٠						
	5.	Transporter 1 Company Name  Mercla Enterprises, I	bc.	6. *	- US EPA ID No.						
1	7.	Transporter 2 Company Name		8.	US EPA ID N	umber		·	· · · · · · · · · · · · · · · · · · ·		
l	9.	Designated Facility Name and Site Address	<del></del>	10.	US EPA ID N		A. Tran	sporter's F	hone	201-589-1	
		Evergreen Environments	al Group					sporter's F			
1		33 Industrial Drive Bedford, OH 44146					3	lity's Phone			
I	-	<del></del>		O. E	D 0. 5. 5. 5.	2. 2. 4. 2. 9	21	5-786-			
1	11	. Waste Shipping Name and Description						No.	Type	13. Total Quantity	
1	<b>a</b> .	• ·		<del></del> -				140.	1,70=	Const	
l		Non DOT/RCRA BAS Solid	Not DOT	Regul	ated			01	CR	20	!
Ġ	b.,				e.i.			•			
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R	_					<del></del>		• •			
GENERATOR	C.										
ï	d.	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		<u> </u>			
Į		•			-						(
	О.	Additional Descriptions for Materials Listed Above DS35664 MS15270					E. Han	dling Code	s for Was	tes Listed Above	
١	15	. Special Handling Instructions and Additional Infor	mation				<u> </u>				
l		•									
١											
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1				•				• '			
١		•	Ç.						• . •		
1	<u> -</u>	GENERATOR'S CERTIFICATION: I contry the me	terials described shr	ne on this	menifest are not sub	ied to federal recuts	tions for a		ner denne	al of Managhapa M	
ł	۳	Pripted/Typed Name	,		Signature / .		-	sporterly pro-		Month De	ı
¥		KEITH TERRANE	EÓ		Kell	h len	m	·	•	10610	
İ	17	. Transporter 1 Acknowledgement of Receipt of Ma									
TRANSPORT	Γ	Printed/Typed Name MIKE MONTAGUE	· · · · · · · · · · · · · · · · · · ·		Signature	" Menl	teser	مر		10610	
ç	18	. Transporter 2 Acknowledgement of Rebeipt of Ma	terials								
TER		Printed/Typed Name			Signature	<u>.                                    </u>				Month De	!
	19	. Discrepancy Indication Space			•				•		
F											Į.
<u>.</u>	20	. Facility Owner or Operator; Certification of receipt	of waste materials	covered	by this manifest ex	cept as noted in it	em 19.	· ·		- 11-1	. {
Ť	-	Printed/Typed Name	· · · · · · · · · · · · · · · · · · ·		Signature	<del></del>				Advadh Pr	
		· innes i ypes i mine		- [`				•		1.1	



### BERGEN COUNTY UTILITIES AUTHORITY SOLID WASTE DIVISION



1 Disposal Road North Arlington, N.J. 07031 Telephone: (201) 955-0028 Fax: (20

Fax: (201) 955-2024

- CUSTOMER RECEIPT -

Check	No. :										•
\$ Amo	unt:_		 -								
		_	 4	4	4	*	٠	4	4	4	4



## BERGEN COUNTY UTILITIES AUTHORITY SOLID WASTE DIVISION

1 Disposal Road

North Arlington, N.J. 07031 Telephone: (201) 955-0028 Fax: (201) 955-2024

- CUSTOMER RECEIPT -

Date: 6-6-95	<del></del>	
Name: KFUIN TA	OPER	XASITƏS
Check No.:	Goss	80920
\$ Amount:		00000
* * * * * *	* * * *	* * *
Weighmaster Signature:		46,980



### BERGEN COUNTY UTILITIES AUTHORITY **SOLID WASTE DIVISION**

1 Disposal Road North Arlington, N.J. 07031 Telephone: (201) 955-0028 Fax: (20 Fax: (201) 955-2024 - CUSTOMER RECEIPT -

33313	#3844
Date: 6-6-95	
Name: James Jenary	<u> X13</u> 3521
Check No.:	
\$ Amount: 33260	<u> </u>
* * * * * * * * * * *	* *
Weighmaster Signature:	<u></u>



## BERGEN COUNTY UTILITIES AUTHORITY SOLID WASTE DIVISION

1 Disposal Road North Arlington, N.J. 07031 Telephorie: (201) 955-0028 Fax: (20

elephorie: (201) 955-0028 Fax: (201) 955-2024

— CUSTOMER RECEIPT —

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## BERGEN COUNTY UTILITIES AUTHORITY SOLID WASTE DIVISION

1 Disposal Road North Arlington, N.J. 07031

Fax: (201) 955-2024 Telephone: (201) 955-0028

- CUSTOMER RECEIPT -

Date: 17000 Name: Page	(		190	75 —		*	UK L	<u>#</u> ')5	05. <b>3</b> 8	37 HL	19 .	<u> </u>
Check No.:												
\$ Amount:	*	*	*	*	*	*	*	*	*	*	-	
Weighmaster Sig	gnatu	re:						• •				



### BERGEN COUNTY UTILITIES AUTHORITY **SOLID WASTE DIVISION**

1 Disposal Road North Arlington, N.J. 07031 Telephorie: (201) 955-0028 Fax: (20 Fax: (201) 955-2024

- CUSTO	MER RECEIPT —
	38449
Date: 6-6-95	
Name: Rowald	Jurday 7593000
Check No.:	78020
\$ Amount:	46980
* * * * * *	* * * * * * *
Weighmaster Signature:	



A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

#### WASTE GENERATOR

RCC-0009			
NAME: NAPP CHEMICALS			
ADDRESS: 199 MAIN STREET	LODI	NJ	07644
	city	state	zip
LOCATION:SAME	·		
TELEPHONE: (201)773-3900	CONT	ACT BOB LOWENSTEIN	
PDAVE	R/AGENT OF GEN	JFD A TOD	
BRUAE	R/AGENI OF GEN	CERATOR	
NAME:	NACA TO	- 10 - 10	
ADDRESS: 2867 SANUSIONE	100		1672141
TELEPHONE: DUC 220 8	996. CONT	ACT SURCEIPS	
TRA	ANSPORTER OF W	ASTE	
NAME: REPUBLIC ENV. S.	ustem		
NAME: Republic Env. S. ADDRESS: 2337 North F	enn Rd.	HATFIELD PA	
• •	•		•
DATE: 6-6-95 TRUCK	# 12	LICENSE # TL 9:	1335
DRIVER SIGNATURE: Robl B	7W?16_		
V			
. 1	DISPOSAL FACILI	TY	
NAME: RESOURCE CONSERVA	TION CORP.		
RECEIVED BY:		PERMIT#-	01421
	•		
Operator's Certification: I hereby declare that above by proper shipping name and are class	ified, packed, marke	d, and labeled, and are in all re	spects in proper
condition for transport by highway according	g to applicable intern		•
Il Sandalish		6/6	195
Operator's Signatur		Dite	

### REPUBLIC ENVIRONMENTAL SYSTEMS

393892 1/1

2337 NORTH PENN ROAD HATFIELD PA 19440

EPA IDENTIFICA	TION CODE NO. NUDUUI:	315282	TN CTDE	-		{
ODI	ADDRESSADDRESS _		7764		201 2	73-39
CONTACT: BOB LOEWENSTEIN	STATE NO	ZIF	0/04	PHONE _	201 /	73-35
		Conta	ners	Total	Unit	
US DOT Description (Including Proper Shipping Name, Hazai		No.	Туре	Quantity	Wt./Vol.	Waste
a. NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATI	ED					
				<b>~</b> -		
b.		001	DT	50	Y	N/
<b>0.</b>		•			1	
C.					1	
		1			1 1	
				<del></del>		
d.						
•						
Additional Information/Lab Code		Emerg	ency Phone		<u> </u>	
a DS38449	<b>C</b>	·				
b	d					
CONTRACT/PO NO.	PECIAL INSTRUCTIONS / RE	ASONS EO	D DELAY			
NO. OF OVERPACKS USED		ASONS FO	n DELAT			
START TIME						
IVAL AT CUSTOMER						{
PARTED CUSTOMER					<del></del>	
DELAY TIME						
GENERATOR CERTIFICATION:						
*I hereby declare that the contents of this consignment are fully and labeled, and are in all respects in proper condition for trans						
also certify that all times listed above are true and correct.	110 90	10	0.	e national govern	. 1. 1.	) <u>~</u>
Print Name HI GAZdAISKI	Signature	mars	<u> </u>	Date	19	<u> </u>
TRACTOR # TRAILER#	BOX SPOTTED#	BOX PI	CKED UP#	LIN	FR	
TRACTOR & TRACETOR	000.0101120#			201 225		
TRANSPORTER #1000 11' C. C. L.		PHON	E NUMBER		LUUU	
						<del></del>
COMPANY Republic Env. System	0 11	EP 27D	NO			
PRINT NAME RAIDS BOWERS	SIGNATURE RADI	EPAID	NO	DA	ATE 6	-6-9
PRINT NAME KAIPH BOWEYS		<u> &amp;</u>	wes	D/		
PRINT NAME RAIDS BOWEYS  TRANSPORTER #2 COMPANY		PHON	E NUMBER	<del></del>		
TRANSPORTER #2 COMPANY		PHON EPA ID	E NUMBER			
PRINT NAME KAIPS COMPANY PRINT NAME PRINT NAME	SIGNATURE SIGNATURE	PHON EPA ID	E NUMBER			
PRINT NAME KAIPS COWPYS  TRANSPORTER #2 COMPANY  PRINT NAME	SIGNATURE KAN	PHON EPA ID	E NUMBER			
PRINT NAME KAIPS COMPANY PRINT NAME PRINT NAME	SIGNATURE SIGNATURE	PHON EPA ID	E NUMBER			
PRINT NAME KAIPS SOWEYS  TRANSPORTER #2 COMPANY PRINT NAME TSDF ARRIVAL TIME	SIGNATURE SIGNATURE	PHON EPA ID	E NUMBER			
TRANSPORTER #2 COMPANY PRINT NAME  TSDF ARRIVAL TIME  TSDF DEPARTURE TIME  DELAY TIME FINISH TIME	SIGNATURE SIGNAT	PHON EPA ID	E NUMBER			
TRANSPORTER #2 COMPANY PRINT NAME  TSDF ARRIVAL TIME TSDF DEPARTURE TIME DELAY TIME FINISH TIME CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY ER	SIGNATURE SIGNATURE SIGNATURE PA IDENTIFICATION CODE N	PHON EPA ID	E NUMBER	D/	ATE	
TRANSPORTER #2 COMPANY PRINT NAME  TSDF ARRIVAL TIME TSDF DEPARTURE TIME DELAY TIME FINISH TIME CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY ELECTION CORP.	SIGNATURE SIGNATURE PA IDENTIFICATION CODE NADDRESS	PHON EPA ID	E NUMBER NO		FAC.	
TRANSPORTER #2 COMPANY PRINT NAME  TSDF ARRIVAL TIME TSDF DEPARTURE TIME DELAY TIME FINISH TIME CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY ELECTION CORP.	SIGNATURE SIGNATURE  SIGNATURE  REASON FOR DELAY  PA IDENTIFICATION CODE N  ADDRESS  PA ZIP 15924  R TREATMENT STORAGE DIS	PHON EPA ID	E NUMBER NO.  TOWNSHIP HONE 814	WASTE MGT. 754-4587	FAC.	

White - GENERATOR FILE Blue - TRANSPORTER FILE

877490406



### RESOURCE CONSERVATION CORP. SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc. NON-HAZARDOUS RESIDUAL WASTE MANIFEST

	WASTE GE	NERATOR	:
RCC- <u>SOO</u>	24		
NAME:	Napo [echnologies		
ADDRESS:	199 Main Street		
	city	state	zip
LOCATION:	Sa.ma		
TELEPHONE:	(201) 773-3900	_ CONTACT <u>deith Terran</u>	9.3
	BROKER/AGENT	OF GENERATOR	
NAME:	Requalic Covicendantal		
ADDRESS:	37 worth fann Road	datfield, PA	19440
TELEPHONE:	city (215) 322-2676		zip
	TRANSPORTE		
NAME: 77	GE FTC GEEDERAL City		
ADDRESS: 1	e Edwart	NY	
/-/-	7	state	zip ARKISKYI Pa
DATE: 6	75 TRUCK # 94	LICENSE # _Z	1100011 17
DRIVER SIGNATU	JRE: Marie Desc		
	DISPOSAL	FACILITY	
NAME: RESOL	IRCE CONSERVATION CO	RP.	
RECEIVED BY:		PERMI	T#: 101421
above by proper ship	ion: I hereby declare that the conten ping name and are classified, packe ort by highway according to applical	d, marked, and labeled, and are i	n all respects in proper
10 Da	daldi		6/6/95
Operator's Signature			Data



A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

#### **WASTE GENERATOR**

RCC- <u>500</u> 2.	<u>+</u>			
NAME:	waso Technolowies	5		
ADDRESS:			.เซี )754	4
		city	state	zip
OCATION:	<u> 53.62</u>			
ELEPHONE:	(201) 773-3900	CONTACT	Kelon farran.	eC
	BROKER/AC	ENT OF GENERA	гоr	
AME:	Republic inviron	dentil		
DDRESS:	1957 worth Jenn .	toac cacfi	sid, Fa	13440
		city	state	zip
ELEPHONE:	(313) 322-2073	CONTACT.	Gre, prendi	.n_er
DDRESS:	william Hill	F1. 511	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	11368
DDRESS:	assisting that	city	state	zip
PATE:	TRUCK #	312	LICENSE #	147 114
PRIVER SIGNATURE:	16 + 11/1			
	DISPO	SAL FACILITY		
IAME: RESOURC	E CONSERVATIO	N CORP.		
ECEIVED BY:			PERMIT	101421
bove by proper shipping	hereby declare that the c name and are classified, highway according to a	packed, marked, and	labeled, and are in a	all respects in proper gulations.
Milan	daleni _			=16-195 ate
Operator's Signature 🧳	•		D	ate

IS38449

877490408



### RESOURCE CONSERVATION CORP. SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc. NON-HAZARDOUS RESIDUAL WASTE MANIFEST

	WASTE GEN	NERATOR		
RCC-50021	- 			
NAME:	wabb Rachholosies			
ADDRESS:	199 main Street	Lcdi	. <del>10</del> .7754	4
	city		state	zíp
LOCATION:	.sa.ne			
TELEPHONE:	(201) 773-5305	_ CONTACT	wentu letrane	c
	BROKER/AGENT	OF GENERATO	R	
	sepublic invironmen	621		
NAME:				
ADDRESS:	i 2337 Hostil Pana Ros. city	<u></u>	state	zip
TELEPHONE:	(213) 022-2070	CONTACT		•
÷	TRANSPORTE	R OF WASTE		
NAME: PAGE				
ADDRESS:	151 81 1052 city	-4.00	11:1	
	<del>-</del>		state /	zip
DATE: 5-6-95	TRUCK # 1/4/	Ll	ICENSE # <u>AB44</u>	(P.26
DRIVER SIGNATURE: _	Room Bas	TO0		·
		,		
	DISPOSAL I	FACILITY		
NAME: RESOURCE	CONSERVATION COL	RP.		
RECEIVED BY:			PERMIT #:	101421
above by proper shipping na	ereby declare that the content ime and are classified, packed ighway according to applicab	, marked, and lat	cled, and are in all r	espects in proper
	0.00		-1	195
Operator's Signature			Date	



# RESOURCE CONSERVATION CORP. \$\square\$ \$3844^c\$ SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

#### WASTE GENERATOR

IAME:	Napp Technologies			
DDRESS:	199 Main Street	Lodi NJ	07644	
	cit	y s	state	zip
OCATION:	эльз			
ELEPHONE:	(201) 773–3900	CONTACT <u>Keith</u>	Terraneo	
	BROKER/AGE	NT OF GENERATOR		
AME:	Republic Environmen	tal		
DDRESS:	2337 North Penn Roa	d Hatfield,	PA 1944	40
	city	ý s	tate	zip
ELEPHONE:	(215) 822-2676	CONTACTGree	Brandlinger	·
DDRESS:	Verdanoro	Neu	JORK.	/13/1
DDRESS:	/ city	IVQL	tate	<i>ا د.ا ب</i> zip
ATE: 6-6-	75 TRUCK #	140 LICEN	SE# AB 469	433
	( )	lemone		
RIVER SIGNATU	KE.			
	DISPOSA	AL FACILITY	•	
	RCE CONSERVATION (	CORP.		
AME: RESOU			•	
AME: RESOU				
AME: RESOU			PERMIT #:1014	21

877490409

Date

Operator's Signature



A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

#### WASTE GENERATOR

	WASIE GE	NEKAIUK			•
RCC-50024	_				•
NAME:	Napp Technologies				
ADDRESS:	199 Main Street	Lodi	NJ	07644	
	city		state		zip
LOCATION:					
TELEPHONE:	(201) 773-3900	_ CONTACT	Keith	Terraneo	
	BROKER/AGENT	OF GENERATO	R		
NAME:	Republic Environmen	ıtal			
ADDRESS:	2337 North Penn Roa	d Hatfi	eld,	PA I	19440
	city (215) 822-2675		state	Brendlinge	zip
TELEPHONE:	(213) 022-2010	_ CONTACT		nature.	
	TRANSPORTE	R OF WASTE			
D. J.					
NAME: PAGE	ETL EDSPORT N				
ADDRESS: hr	cospert n	У	.*		
DATE: 6-6-45	TRUCK #		state	11 100	zip
DATE: C	TRUCK #	Ll	ICENSE#_	777	
DRIVER SIGNATURE:	LOW W ( PONY)	<u> </u>		· · · · · · · · · · · · · · · · · · ·	
	Diedocati	E A CHI ITV			_
•	DISPOSAL	FACILITI			·
NAME: RESOURCE	CONSERVATION CO	RP.			
RECEIVED BY:		· · · · · · · · · · · · · · · · · · ·	PER	MIT #: 1014	21
above by proper shipping na	ereby declare that the content ame and are classified, packed ighway according to applicab	l, marked, and lab	cled, and a	re in all respec	ts in proper
W Lan	daleli	. THE THERE	Po Poteriii	6/6/9	'5
Operator's Signature				Date	877490
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A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc. NON-HAZARDOUS RESIDUAL WASTE MANIFEST

#### WASTE GENERATOR

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Waso Technologic	<del>2</del> 5		<u></u>		· · · · · · · · · · · · · · · · · · ·	
199 Main Street		<u>Lodi</u>	.vJ	07644		
	city		sta	te		zip
34.69						
(201) 773-3900		CONTACT .	vertu	Perraneo		
BROKER/A	GENT O	F GENERAT	OR			
Repuelic Environ	nmental					
2337 Acrth Fenn		Histia H	13,	P.4	19440	
	city		stat	te		zip
<u> </u>		CONTACT _	<u>:e-&gt; ;</u>	<u>dranding</u>	<u></u>	
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		;				
E CONSERVATIO	ON COR	kP.			·	
	<del></del>		P	ERMIT#:_	101421	
name and are classified	l, packed,	marked, and	labeled, ar	nd are in all remment regul	espects in pations.	proper
	BROKER/A  Repuelle Environ  2337 North Fenn  (213) 323-2375  TRANS  TRUCK #	same  (201) 773-3900  BROKER/AGENT Of Republic Environmental city  (237 North Senn Road city  (238 TRANSPORTER  TRANSPORTER  DISPOSAL F  E CONSERVATION COR  hereby declare that the contents name and are classified, packed,	Same  199 Main Servet Codi  city  Same  (201) 773-3900 CONTACT  BROKER/AGENT OF GENERAL  Repuelic Environmental  2537 Morth Sann Road Matsic  city  TRANSPORTER OF WASTE  City  TRUCK #  DISPOSAL FACILITY  E CONSERVATION CORP.	deputing states and server contact states and server contact states and server contact states and server contact server contact server contact server contact states are contact server co	city state  BROKER/AGENT OF GENERATOR  deputing Environmental  2337 North Fann Road Matfield, PA city state  TRANSPORTER OF WASTE  City state  CONTACT Fraggering Contact State  LICENSE # LICENSE # DISPOSAL FACILITY  E CONSERVATION CORP.  PERMIT #:	day Technologies  199 Main Street Codi MJ 17644  city state  3ame  (201; 773-3900 CONTACT Meltin Perrango  BROKER/AGENT OF GENERATOR  Republic Environmental  2337 Morth Senn Rode Matifield, PA 13440  city state  (2131 A20-2675 CONTACT May argentinger  TRANSPORTER OF WASTE  city state  LICENSE # 23 3 3 7 1  DISPOSAL FACILITY  E CONSERVATION CORP.



## RESOURCE CUNSERVATION COM. SHADE TOWNSHIP WASTE MANAGEMENT FACILITY Mid-American Waste Systems of PA, Inc. RESOURCE CONSERVATION CORP.

### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

#### WASTE GENERATOR

		· · Dati · · · · ·			
RCC-5007	<u>+</u>				
NAME:	Mapo Technologies				
ADDRESS:	199 Main Street	Loci	.yJ	07044	
	city		state		zip
LOCATION:	same				
TELEPHONE:	(201) 773-3900	_ CONTACT	deith T	erranes	<del></del>
	BROKER/AGENT	OF GENERATO	R		
NAME:	keguplio bavisonser	ntėj			
ADDRESS:	2337 worth Penn Ros	ad natil	als,	ZA .	19440
	city		state		zip
TELEPHONE:	(215) 322-2575	_ CONTACT	، زويو	rencilige	
ADDRESS:	11 430 x 122 city		state s		/ : 5 c
DATE: 6-6-9	TRUCK #	<u> </u>	CENSE#_	11173	<u> </u>
DRIVER SIGNATURE:	Durall	- Peace			
**************************************					
	DISPOSAL	FACILITY			
NAME: RESOURCE	E CONSERVATION CO	RP.			
RECEIVED BY:			PERN	AIT #:1014	21
above by proper shipping	hereby declare that the content name and are classified, packed highway according to applicab	i, marked, and lab	eled, and ar	e in all respec	ts in proper
W Long	lalolni			6/6/9	5
Operator's Signature				Date	

TRANSFE 19-3 GA	5 ATLANTIC ARFIELD, N.J.	N CO., INC. STREET 07026	To	Nº 0619
DATE	6-7-9	3	# 190	20 84 3/14
	YARDS	DESCRIPTION		PRICE
		Compaction		
		Open Container		
		Drums		
		Wood		
		Other		79980
Truck #			Signat <sub>or</sub> e	

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TRANSF	PFALO RECY FER STATION 1425 ATLANTIC BARSIELD, N.J.	N CO., INC. STREET	To //	Nº 0620
	6-2-9		PD 9/	88 # 400
	YARDS	DESCRIPTION		PRICE
	·	Compaction		
		Open Container		
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· · · · · ·		Other		76220
Truck	#	S	ignature	

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MG INDIIS	rdifc	- 40

### **BILL OF SALE**

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LOCATION	SON, NT					
CONTACT PER	SON		<del> </del>	PHONE NUMBER		
			SITE INFO	PHATION		
	ENSA LE CANHITHE	•	•	CONTACT PERSON R. c. k	•	
OCATION				<u></u>	PHONE NUMBER	<del></del>
CYL. #	GAS ID	UN <b>∮</b>	CYL. SIZE	CATEGORY	COMMENTS	SALE
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4	NZ	1066	lze	6		
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NATURE OF MG INDUSTRIES AUTHORIZED REPRESENTATIVE

SIGNATURE OF SELLERS AUTHORIZED REPRESENTATIVE

SELLER THROUGH ITS AUTHORIZED REPRESENTATIVE, HEREBY COVENANTS WITH MG INDUSTRIES THAT SELLER IS THE LAWF OWNER OF THE LISTED CYLINDERS AND THEIR CONTENTS WHOSE RIGHT, TITLE AND INTEREST IS HEREBY CONVEYED; THAT TO SAME ARE FREE FROM ENCUMBRANCES; THAT SELLER HAS GOOD RIGHT TO SELL THE SAME; AND THAT SELLER WILL WARRANT AND DEFEND THE SAME AGAINST THE LAWFUL CLAIMS OF ALL PERSONS. SELLER HEREBY DISCLAIMS ALL WARRANTIES WITH RESPECT 1 THE CYLINDERS CONVEYED HEREBY, EXPRESS OR IMPLIED.

# MG INDUSTRIES

### **BILL OF SALE**

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TATURE OF MG INDUSTRIES AUTHORIZED REPRESENTATIVE

SIGNATURE OF SELVERS AUTHORIZED REPRESENTATIVE

SELLER THROUGH ITS AUTHORIZED REPRESENTATIVE, HEREBY COVENANTS WITH MG INDUSTRIES THAT SELLER IS THE LAWFUL DWNER OF THE LISTED CYLINDERS AND THEIR CONTENTS WHOSE RIGHT, TITLE AND INTEREST IS HEREBY CONVEYED; THAT THE SAME ARE FREE FROM ENCUMBRANCES; THAT SELLER HAS GOOD RIGHT TO SELL THE SAME; AND THAT SELLER WILL WARRANT AND DEFEND THE SAME AGAINST THE LAWFUL CLAIMS OF ALL PERSONS. SELLER HEREBY DISCLAIMS ALL WARRANTIES WITH RESPECT TO THE CYLINDERS CONVEYED HEREBY, EXPRESS OR IMPLIED.

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MG	IN				

## **HAZARDOUS MATERIALS MANIFES**

# IN THE EVENT OF A FIRE, SPILL, OR RELEASE, CONTACT THE FOLLOWING NUM 1-800-641-HELP

			1-	·800-6	41-HELP				
UCK NO	0. TRAILER NO. 59 83		TON NAME	45C H	1./15, PA	DRIVER [JWARJ (oh	. )	DATE	
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У	Nitrogen, Compressed		7.2	1066	ZWEE	<b></b>	<i>Z</i> .		
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y	(mpressed GAS N.O.S		2.1	1651			7		
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BPCs 37117 3M Sets

### RESOURCE CONSERVATION CORP. SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc. NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR								
RCC-50024								
NAME:Naup Technologies								
ADDRESS: 199 Main Street Loca NJ 37644								
city state zip								
LOCATION:								
TELEPHONE: (201) 775-3900 CONTACT Keich Terraneo								
BROKER/AGENT OF GENERATOR								
NAME:								
ADDRESS:								
city state zip								
TELEPHONE: (215) 322-2573 CONTACT Scar Standlinger								
TRANSPORTER OF WASTE								
NAME: Page F./C								
ADDRESS: From ble Kd To Box 1390 Weedsnort N. 13/66								
ADDRESS: Tromble, Rd. Po. Box 1390 Weedsnort N. Y 13166 city state TK, AB4683 7zip  DATE: 6/2/95 TRUCK # 1920 LICENSE # TC, XA 81724								
DRIVER SIGNATURE:								
DISPOSAL FACILITY								
NAME: RESOURCE CONSERVATION CORP.								
RECEIVED BY:								
Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.								
W Sayassi 6/4/95								
Operator's Signature Date 877490								

NS38449



## RESOURCE CONSERVATION CORP. SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

#### **WASTE GENERATOR**

RCC-SOO2	4			
NAME:	Japa Technologies			
ADDRESS:	199 Main Straet	Logi	<del>-</del>	
	city		state	zip
LOCATION:	sane			
TELEPHONE:	(301) 773-3900	CONTACT_	weith Terranec	:
	BROKER/AGEN	Γ OF GENERAT	TOR	
NAME:	Republic Environment	al		
ADDRESS:	2337 Worth Fenn Woed	ı datfi	ala, ja	19440
	city		state	zip
TELEPHONE:	(215) 622-2676	CONTACT _	Gray Brandlin	ger
	IN CAUST T	ER OF WASTE いこ。		
ADDRESS: 427-5	OTE NORTHERN BL	do Flus	الم عرد	
ADDRESS:	city	· · · · · · · · · · · · · · · · · · ·	state	zip
DATE: 6/7/95  DRIVER SIGNATURE:	TRUCK # _ CA	19 laker	LICENSE # PD 9	188 NY
DRIVER SIGNATORE.		<del></del>		
	DISPOSAI	L FACILITY		
			·.	
NAME: RESOURCE	E CONSERVATION C	ORP.		
RECEIVED BY:	····		PERMIT #: .	101421
above by proper shipping	I hereby declare that the conte name and are classified, pack highway according to applica	ed, marked, and	labeled, and are in all	respects in proper

## 0538449



**GPCs** 37117 3M Sets

## RESOURCE CONSERVATION CORP. SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.
NON-HAZARDOUS RESIDUAL WASTE MANIFEST

#### WASTE GENERATOR

	<u> </u>						
NAME:	Марр Тес	ennologies		٠			
ADDRESS:	139 Mais	istreet	لغضا	.NJ	07644	······································	
		city		stat	le		zip
LOCATION:	Sé	nus			·——————		
TELEPHONE:	(201) 77	73-3900	_ CONTACT .	Keith	Terranec		
·	ВІ	ROKER/AGENT	OF GENERA	гor			
NAME:	Republic	: Environment	al				
ADDRESS:	2337 30x	ca Senn Road	ı dacfi	a12,	PA	ال ينهون ا	
TELEPHONE:	(2)3) 83	city 2=2575	_ CONTACT .	stat		.27	zip
NAME:	<u>0, E</u> Heds	TRANSPORTI	ER OF WASTE				
DATE: DRIVER SIGNATURE:	15 TRI	city JCK #	7/	stat	4.7	200 g	zip
	الري المري	DISPOSAL	FACILITY			٠	
NAME: RESOURCE	E CONSEI	RVATION CO	RP.	· · · · · · · · · · · · · · · · · · ·			
RECEIVED BY:				P	ERMIT #:	101421	



A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WS 38449

### WASTE GENERATOR

$RCC-S \bigcirc \bigcirc$	24			
NAME:	Napp Tachnologies			
ADDRESS:		Logi	: <del>\</del> J	
	city		state	zip
LOCATION:	Saine			
TELEPHONE:	(201) 773-3900	_ CONTACT .	Keith Terrane	<u> </u>
	BROKER/AGENT	OF GENERAT	ro <b>r</b>	
NAME:	Rapublic Environmenca	<u>.</u>		
ADDRESS:	2007 North Penn Road	aatf18	la, FA	ا تاجين
ADDRESS.	city		state	zip
TELEPHONE:	(215) 322-2376	CONTACT.	Grey Bremali	nyer
name: PAGE  ADDRESS: BX  DATE: 6-7-9  DRIVER SIGNATU	1290 Wedge city	point 10	NY state LICENSE # PR	13166 zip 29 <i>18 iW</i> Y
	DISPOSAL	FACILITY		
NAME: RESOU	RCE CONSERVATION CO	RP.		
RECEIVED BY:			PERMIT #	101421
above by proper ship condition for transpo	on: I hereby declare that the content ping name and are classified, packed rt by highway according to applicab	l, marked, and	labeled, and are in a	ll respects in proper
Operator's Signature	//	-	Da	ate





A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

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#### WASTE GENERATOR

_	WASIE GEI	TARRES ON		•	
RCC- <u>SOO</u>	24				
NAME:	Napp Technologies		···		
ADDRESS:	199 Main Street	Lodi			
	city		state		zip
LOCATION:			<u></u>	•	
TELEPHONE:	(201) 773-3900	CONTACT _	keith Terra	250	
	BROKER/AGENT	OF GENERAT	OR		
NAME:	kapublic invironmenta	1			
ADDRESS:	2337 Worth Penn Road	natfie		19440	
	city		state		zip
TELEPHONE:	(213) 522-2675	CONTACT _	Grad Brend	Linuer	
	## A MCDOD###			•	
•	TRANSPORTE	K OF WASTE			
NAME: W.	Norm Dinchart	/ Page	FIC		
ADDRESS Tro	mbley Rd Wee	12001	+ . N. ()	3166	
	C City		State 3		zip
DATE: 7 June	TRUCK # 5936	<u> </u>	LICENSE # PR	7706.2	). y
DRIVER SIGNATU	RE: Lillia	mul	ine.		<u>.</u>
	DISPOSAL F	FACILITY			
NAME:RESOU	RCE CONSERVATION COL	RP.	·*·		
RECEIVED BY:			PERMIT	#: 101421	
	on: I hereby declare that the contents				
above by proper shipp condition for transpor	ing name and are classified, packed t by highway according to applicabl	, marked, and l le International	abeled, and are in and government	all respects in pro regulations.	per
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Operator's Signature	//	•	1	Jace	



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### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR

RCC S 003	1	NEKATOR				
	Nago Rechnologies					<del></del>
ADDRESS:	199 main Street		Lu:	<u>07644</u>	·	
	city		stat	te		zip
LOCATION:	Sane	·				<del></del>
TELEPHONE:	(201) 773-3900	CONTACT .	kaitn 1	Terraneo		
						•
	BROKER/AGENT	OF GENERA	ror			
NAME:	Rapuolio Environmenta	1				
	2337 worth Penn Road	nacila	eim,	2 <b>à</b>	1944U	
ADDRESS:	city			te		zip
TELEPHONE:	(215) 022-26 <b>7</b> 5	_ CONTACT .	Greg i	eceniling	≥r	···-
					•	
٠	TRANSPORTI	ER OF WASTE	:			
NAME: PAG	PE E.T.C.					· · ·
ADDRESS.	COS DORT , N. V.		stat	te		zip
DATE: 6-7-	95 TRUCK # 066	9	LICENSE	# <u>AB-9</u>	16835	- PH
DRIVER SIGNATUR	E: (1. S. the 11	200				
	DISPOSAL	FACILITY				
NAME: RESOUR	CE CONSERVATION CO	ORP.				
RECEIVED BY:			P	ERMIT #: _	101421	
Operator's Certification above by proper shippi	n: I hereby declare that the content ng name and are classified, packe by highway according to applica	its of this consig d, marked, and	nment are labeled, ar	fully and acc	urately desc espects in p	

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### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

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#### WASTE GENERATOR

RCC-0009			
NAME: NAPP CHEMICALS			
ADDRESS: 199 MAIN STREET	LODI	NJ	07644
	city	state	zip
LOCATION: SAME	<u> </u>		
TELEPHONE: (201)773-3900	CONT	ACT BOB LOWENSTEIN	
BROKE	ER/AGENT OF GEN	ERATOR	
NAME: REPublic Environ	nental		
ADDRESS: 2337 North	(x,y) = (x,y) + (x,y	Hotfield Ki	19440 zip
		_	zip
TELEPHONE: 800-220-575	7 CONT.	ACT Kohin	
TRA	ANSPORTER OF W	ASTE	
NAME: Republic Environ	niental		
ADDRESS: 2337 North P	an Rord Ho	Hisld fa. 19440	
DATE: <u>6-8-95</u> TRUCK	# <u>69</u>	LICENSE # <u>_ AB 30</u> ?	6309
DRIVER SIGNATURE:	do sourt 6	u	
1	DISPOSAL FACILIT	гу	
NAME: RESOURCE CONSERVA	TION CORP.		
RECEIVED BY:	·	PERMIT #:	101421
Operator's Certification: I hereby declare that above by proper shipping name and are class			
condition for transport by highway according			
W Andals	Cu'	6/9	8/95
Operator's Signature	Access and the season and the season are season as a season and the season are season as a	Date	07740040
<b>V</b>	1		87749042

STRAIGHT

**BILL OF LADING** 

## REPUBLIC ENVIRONMENTAL SYSTEMS

		HATFIELD	PA 19440					
: OF PICKUP	EPA IDENTIFIE	CATION CODE NO.	NJD001					
RATOR NAPP CHEMIC	ALS INC		ADDRESS	199 M	IN STRE			
TY LOOI		ST/	TE NJ	ZI	P 0764	14 PHONI	201 7	773-39
ONTACT: BOB LOEWENST	EIN		ER:					
110 DOT Description (Indicates	Orange Chinaina Nama Ha	and Class and ID I	L L 1	Conta	iners	Total	Unit	146
US DOT Description (Including I			rumoer)	No.	Туре	Quantity	Wt_/Voi.	Waste
NON DOT/RCRA HAZ DEB	RIS NOT DOT REGULA	TED	-	}				
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dditional Information/Lab Code				Emerg	gency Phone	<del>;                                    </del>		
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ONTRACT/PO NO.		005044 19050						
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ARTED CUSTOMER								
ELAV TIME								
ELAY TIME								
GENERATOR CERTIFICATION:								
GENERATOR CERTIFICATION: *I hereby declare that the contents	s of this consignment are fu	ully and accurately d	scribed abou	e by proper	shipping na	ame and are cla	ssified, pack	ed, marke
GENERATOR CERTIFICATION: I hereby declare that the contents and labeled, and are in all respect	ts in proper condition for tra	ully and accurately d	scribed abou	e by propei	r shipping na Jernalienal	ame and are cla	ssified, pack	ed, marke
GENERATOR CERTIFICATION: "I hereby declare that the contents and labeled, and are in all respectations certify that the times listed ab	ts in proper condition for tra	ully and accurately d ansport by highway a	ascribed above	e by proper	r shipping na Jernational	ame and are cla	ssified, pack rernmental re	ed, marke
GENERATOR CERTIFICATION:  I hereby declare that the contents and labeled, and are in all respectalso certify that the street ab Print Name	ts in proper condition for tra	ansport by highwa	scribed above	e by proper pplicable in	r shipping na lernational	ame and are cla	ssified, pack rernmental re	ed, marke
GENERATOR CERTIFICATION:  I hereby declare that the contents and labeled, and are in all respect also certify that the single ab Print Name	ts in proper condition for tra	ansport by highwa	conding to	pplicable in	shipping na Jernalinal	Date	ssified, pack rernmental re	ed, marke
GENERATOR CERTIFICATION: "I hereby declare that the contents and labeled, and are in all respectalso certify that the street ab Print Name	ts in proper condition for tra over are true and correct.	ansport by highway a	conding to	pplicable in	ICKED UP#	Date	ernmental re	ed, marke
GENERATOR CERTIFICATION:  I hereby declare that the contents and labeled, and are in all respectalso certify that the contents also certify that the contents also certify that the contents also certify that the contents are contents.  RACTOR # 69 TI	ts in proper condition for tra over are true and correct.	Signature BOX SPOTTED	conding to	pplicable in	ICKED UP#	Date	ernmental re	ed, marke egulations
GENERATOR CERTIFICATION:  I hereby declare that the contents and labeled, and are in all respectations also certify that the contents also certify that the contents are in all respectations. The contents are in all respectations are in all respectations.  BACTOR # 69 TI	ts in proper condition for trace of are true and correct.  ARIS A I  RAILER*ZOSO  ENUMOMENTA	Signature BOX SPOTTED	conding to	BOX P PHON	ICKED UP#	Date	.INER	95
GENERATOR CERTIFICATION:  I hereby declare that the contents and labeled, and are in all respect also certify that the contents are in all respect above.  RACTOR # 69 TI	ts in proper condition for trace of are true and correct.  ARIS A I  RAILER*ZOSO  ENUMOMENTA	Signature BOX SPOTTED	conding to	BOX P PHON	ICKED UP#	Date	.INER	95
GENERATOR CERTIFICATION:  I hereby declare that the contents and labeled, and are in all respectation also certify that the contents also certify that the contents also certify that the contents also certify that the contents are contents and contents are contents and contents are contents and contents are contents and contents are contents.	ts in proper condition for trace of are true and correct.  ARIS A I  RAILER*ZOSO  ENUMOMENTA	Signature BOX SPOTTED	conding to	BOX P PHON	ICKED UP#	Date Date 201 22	iner CS-2660	-8-9
GENERATOR CERTIFICATION:  1 hereby declare that the contents and labeled, and are in all respect also certify that the surface ab Print Name  RACTOR # 69  THE RANSPORTER #1  OMPANY  RINT NAME  PLANSPORTER #2	ts in proper condition for the overall article and correct.  AAIS K I  RAILER#2080  EATUHOMENTA  Brent Cara	BOX SPOTTED  SIGNATUR	conding to	BOX P PHON	ICKED UP#	Date Date 201 22	INER 25-2660	-8-9
GENERATOR CERTIFICATION:  1 hereby declare that the contents and labeled, and are in all respect also certify that the contents are in all respect also certify that the contents are in all respect above.  Print Name  RACTOR # 69  THE PUBLIC PRINT NAME  RANSPORTER #1  OR JAMOS  RANSPORTER #2	ts in proper condition for trace of are true and correct.  AAIS A I  RAILER#2080  EAUTHOMENTO  Brent CARA	BOX SPOTTED  SIGNATUR	conding to	BOX P PHON EPA ID	ICKED UP#	Date Date 201 22	INER 25-2660	-8-9
GENERATOR CERTIFICATION: "I hereby declare that the contents and labeled, and are in all respectation certify that the contents also certify that the contents also certify that the contents also certify that the contents also certify that the contents also certify that the contents also certify that the contents also certify that the contents also certify the contents also certify the contents also certify the contents also certified as a content	ts in proper condition for trace of are true and correct.  AAIS AI  RAILER#2080  ENTUMOMENTA  Brent CARA	BOX SPOTTED  SIGNATUR	conding to	BOX P PHON EPA ID	ICKED UP#	Date Date 201 22	INER 25-2660	-8-9
GENERATOR CERTIFICATION:  I hereby declare that the contents and labeled, and are in all respectations certify that the contents are contents.  Print Name  RACTOR # 69  THE COMPANY  REPUBLIC  RANSPORTER #1  OMPANY  RANSPORTER #2  OMPANY  RINT NAME  RINT NAME	ts in proper condition for trace of are true and correct.  AAIS AI  RAILER#2080  ENTUMOMENTA  Brent CARA	BOX SPOTTED  SIGNATUF  SIGNATUF	conding to a	BOX P PHON EPA ID	ICKED UP#	Date Date 201 22	INER 25-2660	-8-9
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GENERATOR CERTIFICATION:  Thereby declare that the contents and labeled, and are in all respect also certify that the contents are in all respect also certify that the contents are in all respect also certify that the contents are in all respect above.  Print Name	ts in proper condition for trace of are true and correct.  AAIS AI  RAILER#2080  ENTUMOMENTA  Brent CARA	BOX SPOTTED  SIGNATUF  SIGNATUF	conding to a	BOX P PHON EPA ID	ICKED UP#	Date Date 201 22	INER 25-2660	-8-9
GENERATOR CERTIFICATION:  Thereby declare that the contents and labeled, and are in all respectations certify that the contents also certify that the contents also certify that the certified ab Print Name  RACTOR # 69  THE PUBLIC PRINT NAME PUBLIC PRINT NAME PUBLIC PRINT NAME  RANSPORTER #2  OMPANY  RINT NAME  SDF ARRIVAL TIME  SDF DEPARTURE TIME	ts in proper condition for trace of are true and correct.  AAIS AI  RAILER#2080  ENTUMOMENTA  Brent CARA	BOX SPOTTED  SIGNATUF  SIGNATUF	conding to a	BOX P PHON EPA ID	ICKED UP#	Date Date 201 22	INER 25-2660	-8-9
GENERATOR CERTIFICATION:  Thereby declare that the contents and labeled, and are in all respectations octify that the contents also certify that the contents also certify that the contents also certify that the contents also certify that the contents also certify that the contents also certify that the contents are contents and contents are contents and contents are contents and contents are contents and contents are contents are contents and contents are contents.	ts in proper condition for trace of are true and correct.  AAIS AI  RAILER#2080  ENTUMOMENTA  Brent CARA	BOX SPOTTED  SIGNATUF  SIGNATUF	conding to a	BOX P PHON EPA ID	ICKED UP#	Date Date 201 22	INER 25-2660	-8-9
GENERATOR CERTIFICATION:  Thereby declare that the contents and labeled, and are in all respect also certify that the contents are in all respect also certify that the contents are in all respect also certify that the contents are in all respect also certify that the contents are in all respect also certify that the contents are in all respect and the contents are in all respect to the contents are	ts in proper condition for trace of are true and correct.  AAIS AI  RAILER#2080  ENTUMMENTA  Brent CARA  GE/DISPOSAL FACILITY	BOX SPOTTED  BOX SPOTTED  SIGNATUF  SIGNATUF  REASON FOR DI	Econding to a	BOX P PHON EPA ID EPA ID	ICKED UP# IE NUMBEF NO	Date  201 22	INER DATE  DATE	-8-9
GENERATOR CERTIFICATION:  I hereby declare that the contents and labeled, and are in all respect also certify that a mestified ab Print Name  RACTOR # 69  TI  RANSPORTER #1  DMPANY  RANSPORTER #2  DMPANY  GINT NAME  SDF ARRIVAL TIME  SDF DEPARTURE TIME  ELAY TIME  INISH TIME  DNSIGNEE/TREATMENT/STORA	ts in proper condition for trace of are true and correct.  AAIS AI  RAILER#2080  ENTUMMENTA  Brent CARA  GE/DISPOSAL FACILITY	BOX SPOTTED  BOX SPOTTED  SIGNATUF  SIGNATUF  REASON FOR DI	Econding to a	BOX P PHON EPA ID EPA ID	ICKED UP#	Date  201 22	INER DATE  DATE	-8-9
GENERATOR CERTIFICATION:  I hereby declare that the contents and labeled, and are in all respect also certify that a mestified ab Print Name  RACTOR # 69  TI  RANSPORTER #1  DMPANY  RANSPORTER #2  DMPANY  GINT NAME  SDF ARRIVAL TIME  SDF DEPARTURE TIME  ELAY TIME  INISH TIME  DNSIGNEE/TREATMENT/STORA	ts in proper condition for trace of are true and correct.  AAIS AI  RAILER#2080  ENTUMMENTA  Brent CARA  GE/DISPOSAL FACILITY	BOX SPOTTED  BOX SPOTTED  SIGNATUF  SIGNATUF  REASON FOR DI	Econding to a	BOX P PHON EPA ID EPA ID	ICKED UP#	Date  201 22	INER DATE  DATE	-8-9
GENERATOR CERTIFICATION:  I hereby declare that the contents and labeled, and are in all respectalso certify that the contents also certify that the contents also certify that the contents also certify that the contents are contents and contents are contents.  RACTOR # 69 TI  RANSPORTER #1  OMPANY REPUBLIC  RANSPORTER #2	ts in proper condition for the overal article and correct.  AAILER*2080  ENDUMMENTA  Brent CARR  GE/DISPOSAL FACILITY  ONSERVATION CORP.  STATI	BOX SPOTTED  BOX SPOTTED  SIGNATUF  SIGNATUF  REASON FOR DI  EPA IDENTIFICAT	ELAY  ON CODE N  ADDRESS  ZIP 15924	BOX P PHON EPA ID PHON EPA ID  SHADE	ICKED UP#	Date  201 22	INER DATE  DATE	-8-9

White - GENERATOR FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR) Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE Goldenrod - TSD FACILITY COPY



A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

4533449

### WASTE GENERATOR

_	WARID OF STREET		
RCC-0009			
NAME: NAPP CHEMICALS			
ADDRESS: 199 MAIN STREET	LODI	NJ	07644
	city	state	zip
LOCATION: SAME			<del></del>
TELEPHONE: (201)773-3900	CONTAC	T BOB LOWENSTEIN	
BROKE	R/AGENT OF GENER	RATOR	
NAME: Republic For Sy.	rtem		
ADDRESS: 2307 North Per		1-14 PA	19 486
	city	state	<u> </u>
TELEPHONE: \$00-230. 5757	CONTAC	T Robin	
•			
TRA	ANSPORTER OF WAS	TE	
NAME: Republic Env. S	y.stem	**************************************	·
ADDRESS: 2337 North Penr	<b>.</b>	ld PA	19440
	•		zip
DATE: 6-8-95 TRUCK	13	_ LICENSE # T Y O	9731
DRIVER SIGNATURE: Reference	aver.		
¥ Т	DISPOSAL FACILITY		
-			
NAME: RESOURCE CONSERVA	TION CORP.		
DECEIVED BV.		PERMIT #:	101421
RECEIVED BY:		PERMII#:	101421
Operator's Certification: I hereby declare that above by proper shipping name and are class condition for transport by highway according	ified, packed, marked, a	and labeled, and are in al	respects in proper
W Dradalshi			8/95
Operator's Signature	_	Dai	87749042

STRAIGHT

**BILL OF LADING** 

## REPUBLIC ENVIRONMENTAL SYSTEMS

	2337 NORTH PENN ROA
mber 393894 1/1	HATFIELD PA 19440

OF PICKUP NAPP CH	EMICALS INC	CATION CODE NO. NJD001		IN STRE	ΕĪ		
LOOI		STATE NJ	ZI			201	773-39
ONTACT: BOB LOEM	ENSTEIN	BROKER:					
US DOT Opposition (Incl.	uding Proper Shipping Name, Ha	and Class and ID Number	Conta	iners	Total	Unit	Waste
•			No.	Туре	Quantity	Wt./Vol.	Wasie
NON DOT/RCRA HAZ	DEBRIS NOT DOT REGUL	ATED	1			1	
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ditional Information/Lab Co	ode		Emerg	ency Phone			
DS38449		c					
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ONTRACT/PO NO.		SPECIAL INSTRUCTIONS / RE	ASONS FO	R DELAY			
D. OF OVERPACKS USED		<del></del>					
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IVAL AT CUSTOMER .							
ARTED CUSTOMER .					· · · · · · · · · · · · · · · · · · ·		
EERT TIME							
GENERATOR CERTIFICAT	ION:	ully and accurately described abov	e by proper	shipping pa	me and are close	itiad past	
and labeled, and are in all I	espects in proper condition for tr	ansport by highway according to a	ppligable in	ternational a	nd national gover	nmental r	egulation
also certify that all times is	ted above are true and correct.	SignatureSignature	dal	shi	Date	6181	195
			i			77	
RACTOR #	TRAILER#	BOX SPOTTED#	BOX P	CKED UP#	LIN	IER	
			PHON	E NUMBER	201 225	-2660	
RANSPORTER #1	11: En Sur	la a					
OMPANY NEP	blic Env. Sys Bowers	DI	EPA ID	NO			6 (
TINT NAME KAIPH	<u> </u>	SIGNATURE	- Born	Mar_	D	ATE LA	<u>- 8 -, </u>
RANSPORTER #2			PHON	E NUMBER			
OMPANY			EPA ID	NO	<u></u>		
RINT NAME		SIGNATURE			D	ATE	
		REASON FOR DELAY					
SDF ARRIVAL TIME							
SDF DEPARTURE TIME							<del></del>
ELAY TIME							
	TODACE/DISCOSAL FACILITY	EDA INENTIFICATION CORE .					
INISH TIME DNSIGNEE/TREATMENT/S DNSIGNED TO PECOND	TORAGE/DISPOSAL FACILITY	EPA IDENTIFICATION CODE N	O. NA		UACTE MAT		
NSIGNEE/TREATMENT/S	TORAGE/DISPOSAL FACILITY  CE CONSERVATION CORP.  STAT	EPA IDENTIFICATION CODE N ADDRESS E DA ZIP 1899	SHADE	JOWNSHIP	WASTE NGT.	FAC.	
DISIGNEE/TREATMENT/S DISIGNED TORESOURCAIRNBROOK	CE CONSERVATION CORP.	EPA IDENTIFICATION CODE N ADDRESS EPA ZIP 15924 FOR TREATMENT STORAGE DIS	-SHADE	TOWNSHIP HONE 814	WASTE NGT. 754-4587	FAC.	3

White - GENERATOR FILE **Blue - TRANSPORTER FILE** 





A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

## NON-HAZARDOUS RESIDUAL WASTE MANIFEST

•	WASTE GENERATOR		
RCC-00009	,		
NAME: NAPP CHEMICALS			
ADDRESS: 199 MAIN STREET	LODI	W	07644
	city	state	zip
LOCATION:SAME			
TELEPHONE: (201)773-3900	CONTACT	90B LOWENSTEIN	
BROKE	R/AGENT OF GENERAL		
ADDRESS: ADDRESS:	Commental	545 CP.	aust Inc.
ADDRESS:	STFIOTK.	,DA.	
TELEPHONE:	CONTACT -		
	ANSPORTER OF WASTE	Sublic EN	VIRONMIN #2 1
ADDRESS: N. Pennfoll	HAT Fleth	PA.	(G,P0
NAME: A. Pennfoll  DATE: 6-8-95 TRUCK PORIVER SIGNATURE: March 1	3 46-2020	LICENSE # X A	72 348 Ps.
DRIVER SIGNATURE:	Lenninger.		
	V		
I	DISPOSAL FACILITY		
NAME: RESOURCE CONSERVA	TION CORP.		<del></del>
RECEIVED BY:		PERMIT #:	101421
Operator's Certification: I hereby declare that above by proper shipping name and are class condition for transport by highway according	ified, packed, marked, and	labeled, and are in all	respects in proper
Operator's Signature		Dat	e 077400400

STRAIGHT

BILL OF LADING

## REPUBLIC ENVIRONMENTAL SYSTEMS

202005 141		TH PENN HO					
ser <u>393895 1/1</u>	HATFI	ELD PA 19440					
OF PICKUP	EPA IDENTIFICATION CODE	NO. NJD001	01315282				
GENERATOR NAPP CHEMICA	LS INC	ADDRESS .	199 M				
CITY LODI CONTACT: BOB LOEWENSTE	7N	STATE NJ	Zij	P	644 PHONE	_201	773-39
		ROKER:	Conta	iners		1104	<del> </del>
	oper Shipping Name, Hazard Class, and	ID Number)	No.	Туре	Total Quantity	Unit Wt./Vol.	Waste
a. NON DOT/RCRA HAZ DEBR	IS NOT DOT REGULATED						
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Additional Information/Lab Code			Emerg	ency Pho	ne#		·
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ь		d					
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CONTRACT/PO NO.	<b>I</b>	RUCTIONS / RE	ASONS FO	OR DELAY	Y		
NO. OF OVERPACKS USED							
T TIME				<del></del>			
DEPARTED CUSTOMER							
DELAY TIME							
GENERATOR CERTIFICATION:	L					·	
"I hereby declare that the contents of	this consignment are fully and accurate	ly described abov	e by proper	shipping	name and are clas	sified, pac	ked, markec
also certify that all time listed above	n proper condition for transport by highware frue and correct.	ay according to a	ipplicable in	ternations	l and national gove	rnmental i	regulations."
Print Name HI GAZO	AISK i Signature	xx ma	yaa	xx	Date _	6/8	175
2111	7070				I	<b>,</b> – •	
TRACTOR # 346 TRAI	LER# 2020 BOX SPOT			CKED UP		NER	
TRANSPORTER SIL TELL	IC ENDIRONMONTO	(GROUP)	PHON	E NUMBE	R 201 22	5-2660	<u> </u>
COMPANY	The state of the s	•	5PA ID	NO			
PRINT NAME HAROLD H.	ENNANGAL SIGNA	TURE How	ald H	inne	men 1	DATE 6	-8-93
TRANSPORTER #2			PHON	E NUMBE	<b>F</b>		
COMPANY		-	EPA ID	NO			
PRINT NAME	SIGNA	TURE				DATE _	
TSDF ARRIVAL TIME	REASON FOR	DELAY -					
TSDF DEPARTURE TIME							
DELAY TIME						<del></del>	<del></del>
FINISH TIME  CONSIGNEE/TREATMENT/STORAGE	DISPOSAL FACILITY EPA IDENTIFIC	ATION CODE N	10 244			<del>-,</del>	
Q' IGNED TORESOURCE_CONS		ATION CODE N			TO MACTE MOT	EAC	
CAIRMBROOK	STATE PA			TCHEUT:		· · · · · · ·	
	ICE OF THIS WASTE FOR TREATMEN	T STORAGE DIS	SPOSAL				
PRINT NAME	SIGNATU	IRE			<del></del>	DATE_	





A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

SPECIAL HANDLING MUNICIPAL WASTE

6/19/95

#### WASTE GENERATOR

RCC-50024	AUTE GENERALI GEN		
NAME: NAPP CHEMICALS INC.			
ADDRESS: 199 MAIN STREET	rodi	W	07644
	city	state	zip
LOCATION: SAME			
TELEPHONE: (201)773-3900	CONTAC	T BOB LOWENSTEIN	
•			
BROKER	A/AGENT OF GENER	ATOR	
			•
NAME: REPUBLIC ENV SYS (PA), IN	16.		<u></u>
ADDRESS: 2869 SANDSTONE DRIVE	HATFIELD	PA PA	19440
	city	state	zip
TELEPHONE: (215)822-2676	CONTAC	T BOSS SNOCK	<u> </u>
NAME: PEPUBLIC ENV SYS (TRANS GR ADDRESS: 21 CHURCH ROAD	HADRIELD	7.6	19440
	city	state	zip
DATE: $\frac{\sqrt{3}\sqrt{3}}{\sqrt{3}}$ TRUCK #	42.30	DLICENSE # AA 9	2534
DRIVER SIGNATURE:	Dro-		
DI	ISPOSAL FACILITY	•	
NAME: RESOURCE CONSERVAT	ION CORP.		
	·	14	01401
RECEIVED BY:		PERMIT #:	71421
Operator's Certification: I hereby declare that			
above by proper shipping name and are classif condition for transport by highway according			
no A 100.		1	1
Ill Nandalele		6/1	<u> 7/95</u>
Operator's Signature	•	Date	•

# REPUBLIC ENVIRONMENTAL SYSTEMS

	2337 NORTH PENN ROA	\D						
.94272 1/1	HATFIELD PA 19440							
OF PICKUP 6/19/93 EPA IDENTIFIC	CATION CODE NO. NJD00131	5282			<del></del>			
NAPP CHEMICALS INC	ADDRESS 1	99 MAI	N STR	EET				
, LODI	STATE NJ	ZIF	N7E	44	_ PHONE	201 77	73-390	0
CONTACT: BOB LOEWENSTEIN	BROKER:	<del></del>		<del></del>		T		
US DOT Description (Including Proper Shipping Name, Haz	zard Class, and ID Number)	Contai No.	ners Type		Total Juantity	Unit Wt./Vol.	Waste	Nc Nc
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VAL AT CUSTOMER					<del>-</del>			—
L RTED CUSTOMER					<del>vi</del>			
DELAY TIME								
GENERATOR CERTIFICATION: "I hereby declare that the contents of this consignment are fu	the and appreciately described above	by proper	chinning		nd are elecci			
and labeled, and are in all respects in proper condition for tra	insport by highway according to ap	pligable int	erpation	al and na	ational govern	mental,	regulatjons	ea s."
also certify that in irries listed above are true and correct.	Sincery III You	dr.V.	بديك	· L	Date	6/1	9/95	
Print Name	_ Signatural				Date			_
TRACTOR # 42 TRAILER# 2010	BOX SPOTTED#	BOY B	CKED U	X	LIN	- D	.1	
TRACTOR # 72 TRAILER# 2010	BOX 3FOTTED# /							
TRANSPORTER #1					15 822-8	3333	·	
TRANSPORTER #1 COMPANY REPUBLIC ENV. SYS. (PA)		EPA ID	NO. P/	<b>4D085</b>	690592			
PRINT NAME MIBE Brown	SIGNATURE	No E	5 10		D/	TE _	6/19	_
		PHON	E NUMB	ER 2	15 822-2	676		
TRANSPORTER #2 COMPANY REPUBLIC ENV SYS (TRANS GRO	UP)	EPA ID	D		661381			
COMPANY KEY GBETS ETT STEEL ST		EPAID	NO			<u> </u>		
PRINT NAME	SIGNATURE				D <i>f</i>	TE _		=
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TODE DEPARTURE TIME								—
TSDF DEPARTURE TIME								
DELAY TIME								
FINISH TIME  CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY	EPA IDENTIFICATION CODE N	ON/A						
CONSIGNED TO RESOURCE CONSERVATION CORP.	ADDRESS	SHADE T	OVNSHI	P WAS	FE MGT. F	AC.		
CATOMRDOOK	PA ZIP 15924	P	HONE	4 754	4587			
IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE F		POSAL		•				
PRINT NAME	SIGNATURE					_DATE_		

White - GENERATOR FILE Blue - TRANSPORTER FILE

Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR) Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

Goldenrod - TSD FACILITY COPY

## esidential Express Whse. & Dist. Inc.

IS MEMORANDUM  a acknowledgement that a bill of tading has been lasued and is not the Origit  of duplicate, covering the property named herein, and is intended solely	nal Bill of Lading,	nor		Sh	ippers No				
proces, covering the property named nevert, and is intended solely	ion ming or record	•		Carrier's No.					
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(NAME OF CARRIER)		_ 50	AC						
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3				Vehicle N	umber	0.5 001	nazmat neg.		
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					Correction)				
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State:  Where the rate is dependent on value, shippers are required to state specifically in writing the	Zip: agreed or declared	Subject to Section 7 of 1 without recourse of the co	ne conditions, if this	shamen is to be de	Provid to the consign	Colle	GHT CHAP		
value of the property. The agreed or declared value of the property is hereby specifically stated inst exceeding.	by the shipper to be	The carrier shall not make terriul charges.	a delivery of this ship	aners without payme	nt of builts and all of	PRE	PAID COL		
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# RESOURCE CONSERVATION CORP. SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

SPECIAL HANDLING MUNICIPAL WASTE

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## REPUBLIC ENVIRONMENTAL SYSTEMS 2337 NORTH PENN ROAD

" <u>394097 1/1</u>	HATFIELD PA 19440					
OF PICKUP 412195 EPA ID	ENTIFICATION CODE NO. NJD00131	5282				
" "EBATOR IMPLY CHEMICALS INC	ADDRESS L	AA WAT	N STRE	ET		
CITY LOUI	STATE NJ	Z	<sub>IP</sub> 0764	4 PHONE	201 77	3-3900
CONTACT: BOB LOEWENSTEIN	BROKER:	To-	ainers		<del></del>	
US DOT Description (Including Proper Shipping Nar	me, Hazard Class, and ID Number)	No.	Type	Total Quantity	Unit Wt_/Vol.	Waste !
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Additional Information/Lab Code		Emer	gency Pho	ne#		<del></del>
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DELAY TIME .						
GENERATOR CERTIFICATION:			<del></del> -			
"I hereby declare that the contents of this consignmen and labeled, and are in all respects in proper condition	at are fully and accurately described above	e by prope policable in	r shipping Nertions	name and are clas	ssified, paci	ked, marke equiations
also cenity that all times listed above are true and cor	rect.		VI	i aira iradullai yoyi	- 1. A	ICK
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	<u></u>	EPA ID	NO PA	D085690592		1
PRINT NAME C.D. JONES	SIGNATURE				DATE 🚄	elia/c
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TRANSPORTER #2 COMPANY REPUBLIC ENV SYS (TRANS	GROUP)			D982661381	~.	<del></del> -
PRINT NAME	SIGNATURE				DATE	
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1S IS TO CERTIFY THE ACCEPTANCE OF THIS WA				177-1701		
PRINT NAME	SIGNATURE				DATE_	

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# RESOURCE CONSERVATION CORP. SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

SPECI	AL HANDLING MU	INICIPAL WASTE	
RCC-50024	ASTE GENERATO	R	
NAME: NAPP CHEMICALS INC.			
	LODI	NJ	. 07644
ADDRESS: 199 MAIN STREET	city	state	07644 zip
LOCATION: SAME			
TELEPHONE: (201)773-3900	CONTA	CT BOS LOWENSTEIN	
BROKEF	A/AGENT OF GENE	RATOR	
NAME: REPUBLIC ENV SYS (PA), IN	ıc.		
ADDRESS: 2869 SANDSTONE DRIVE	HATFIELD	PA	19440
ADDRESS.	city	state	zip
TELEPHONE: (215)822-2676	CONTA	CT_RCSS_SNOCK_	
	•		
TRA	NSPORTER OF WA	STE	
NAME: REPUBLIC ENV SYS (TRANS GR	OUP), INC.	P	
ADDRESS: 21 CHURCH ROAD	HATFIELD	PA	19440
•	city	state	zip
DATE: 6-12-95 TRUCK #	51	LICENSE # TZ 6	1212
DATE: 6-12-95 TRUCK # DRIVER SIGNATURE: Den May	4		
	ISPOSAL FACILIT	<b>3</b>	
D	SFUSAL FACILIT	1	
NAME: RESOURCE CONSERVAT	•		
RECEIVED BY:		PERMIT #:	101421
Operator's Certification: I hereby declare that above by proper shipping name and are classif		onsignment are fully and acc	urately described

above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in prope condition for transport by highway according to applicable International and government regulations.

Operator's Signature

6/12/95

# AAIGHT BILL OF LADING WAN IN STEMS

2337 NORTH PENN ROAD HATFIELD PA 19440

CHATCALE THE EPA IDENTIFICATION CODE	NO. NJD001315	282				
CHEMICALS INC	ADDRESS 15	9 MAI	N STR			
ØO8 LOEWENSTEIN	STATE NJ	ZI	076	44 PH	IONE <u>201</u> 7	<u>73-3900</u>
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3 DOT Description (Including Proper Shipping Name, Hazard Class, and	d ID Number)	No.	Туре	Total Quantit	Unit y Wt.∕Voi	Waste
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"I hereby declare that the contents of this consignment are fully and accurated and labeled, and are in all respects in proper condition for transport by high	tely described above	by proper	shipping	name and are	e classified, par	cked, marke
also certify that all times listed above are true and correct.	TIO CI.		. / .			295
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RACTOR # 5 TRAILER# 2530 BOX SPO	TTED#	BOX P	CKED U		LINER	
NANSPORTER #1		PHON	E NUME	ER 215	<u>822-8995</u>	
RANSPORTER #1 DMPANY REPUBLIC ENV. SYS. (PA)	—	EPA ID	NO. P	ND085690	592	
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DEDITO TA EMAY EVE (TRANS COOLIO)		PHON	E NUMB		822-2676	
DMPANY REPUBLIC ENV SYS (TRANS GROUP)		PHON	E NUMB	ER <u>215</u> 40982661	822-2676	
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REPUBLIC ENV SYS (TRANS GROUP)  RINT NAME	¥	PHON	E NUMB		822-2676 381	
REPUBLIC ENV SYS (TRANS GROUP)  RINT NAME	DR DELAY	PHON EPA ID	E NUMB		822-2676 381	
SIGN SDF ARRIVAL TIME SDF DEPARTURE TIME ELAY TIME INISH TIME DISSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CORP.	DR DELAY	PHON EPA ID	NO. P	ND982661:	822-2676 381 DATE _	
REPUBLIC ENV SYS (TRANS GROUP)  RINT NAME	ICATION CODE NO ADDRESS 1	PHON EPA ID	NO. P	ND982661:	822-2676 381 DATE _	

White - GENERATOR FILE Blue - TRANSPORTER FILE Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR) Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE Goldenrod - TSD FACILITY COPY

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Signature of Super	100 - 7 cm		Empty Weight Net Weight	
Signature of Drive		— <i>y</i>		

# ED)

### FREEHOLD CARTAGE, INC.

P.O. BOX 5010 FREEHOLD, NJ 07728-5010 PHONE, (908) 462-1001 FAX: (908) 308 0924

175 BARTOW MUN. AIRPORT BARTOW. FL 33830 PHONE: (813) 533-4599 FAX: (813) 533-1613 108 MONAHAN AVENUE DUNMORE, PA 18512 PHONE: (717) 342-7232 FAX: (717) 342-7367

350 PIGEON POINT RD. NEW CASTLE, DE 19720 PHONE: (302) 658-2005 FAX: (302) 658-6229 MANIFE FCI EPA II NJD0541 G 8342

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The T my kr Paym to the	ERATOR'S CERTIFICATION: This is portation according to the applicable re- reatment, Storage or Disposal Facility lowledge.  The contractor for waste remova contractor.  ERATOR'S SIGNATURE	egulations of the can and will acc	Departme cept the sh	ent of Tran nipment o	sportation f hazardo carrier ac	n, U.S. EP ous waste. nd if the co	A and the and has a entractor d	State. The wastes of a valid permit to do	described above w so. I certify that the	ere consig foregoing i	ned to the Transported is strue and correct to the
^ <u>;</u>	HAVE READ THE ABOVE AND UNDERSTAND AN	D AGREE TO ALL OF	ITS CONTEN	<u> </u>	// /-	-177	JIM.			-	MO. DAY
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^ -											MO. DAY

# PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management \$\frac{1}{4}\$ P.O. Bot 8550 Hardsburg \$\frac{1}{2}\$ 17105-8550

Form approved.

	M-51 REV. 10/94 OFFICIAL PENNSYLVANIA	MANIFEST FOR	М .				DMB No. 2050-0039 Expires 9-30-96
	UNIFORM HAZARDOUS  WASTE MANIFEST  N 1 D 0 0 1 3 1 5 2 8 2		804	2. Page 1 of	information required by I	vithin the bi leder <del>si</del> law i	ue border la sol
	merator's Name and Mailing Address NAPP CHEMICALS INC			A. State	Menifest Document I	246	ROA
	199 MAIN STREET P O BOX 900 LODI NJ 07644			B. State		270	004
	201 843-4664	S EPA ID Number		C. State	Trens. ID		
	, transporter 1 Company Name		9.2		LIA	5.0.6	2 11 9
	, ) ransporar 2 Company Name	S EPA ID Number	•		porter's Phone ( Trans, ID	-	22-8995
	REPUBLIC ENV SYS (TRANS GROUP) PAD 9 8  1. Designated Facility Name and Site Address  10. U	2 6 6 1 3 IS EPA ID Number	8.1		-AH	0.3.1	7
	REPUBLIC ENV SYS (PA), INC.				porter's Phone ( Facility's IO	215 8	22-2676
	2869 SANDSTONE DRIVE HATFIFLD PA 19440 P.A.D.O.8	56905	9 2			5 822	8995
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Conta No.	ners Type	13. Total Quantity	14. Unit Wt/Vol	L Weste No.
	RQ WASTE SODIUM HYDROSULFITE, 4.2, UN1384, PG	II,(D003)		·	7 7 7		
			xx2	D M	XX 300	Р	0003
	NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED					P	
	·		xx3	D M	XX 450		N/A
	RQ WASTE SODIUM HYDROSULFITE, 4	1.2,		Other Carlo		-0	
	4N1384, POIT, (DO03)		XXI	DF	XX200	P	D003
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1	Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack Ph	hysical State		K. Handili	ng Codes for Wastes	Listed Abo	<b>v•</b>
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	15. Special Handling Instructions and Additional Information				CY PHONE	w Jon	2-41-11
			EM	EKGEN	CY PHUNES	4 107	3 100 1
			DE	*ALT	464803		•
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this	consignment are fully					e and are
	classified, packed, marked and labeled and are in all respects in proper condition for train it I am a large quantity generator, I certify that I have a program in place to reduce	Social Currently availa	his to me which	minimiza	the present and fu	hare threat	o human health ar
1	the environment; OR, if I am a small quantity generator, I have made a good suit about to me and that I can afford.	to market my wast	e generation ar	rd select th	e best waste mana	ement me	hod that is eveileb
Ž	Primary ypod GAZdA SKi	gnatur S	ande	<u>ild</u>	li_	py	0793
	Printed Typed Name Challes H. Beck JR	gnature A	4	•		54	07 92
BPORTER	19. Transporter 2 Acknowledgement of Receipt of Meterials  Printed/Typed Name  Sig	gnature				MONT	I DAY YEA
- F	19. Discrepancy Indication Space		<del></del>			<del>,</del>	
•	·						•
ī	20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this  Brinsed/Tyreed Marine  Sit	manifest except as no	oted in item 19.			MONT	Y DAY YE
Ť	Printed/Typed Name					_1 .	1 . 1
-							





A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

#### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

877490441

#### WASTE GENERATOR

RCC-00004			
NAME: MAPP CHEMICALS		•/	
ADDRESS: 199 MAIN STREET	LCDI	W	07644
	city	state	zip
LOCATION: SAME			
TELEPHONE: (201)773-3900	CONTA	ACT BOB LOWENSTEIN	· · · · · · · · · · · · · · · · · · ·
BRO	OKER/AGENT OF GENE	ERATOR	
NAME: ROMANIA EAS	المار معلى		
NAME:	01	in Da	3.29.7181 .
ADDRESS: 21	city	state	27 4 4 6 7 2 ip
TELEPHONE: 800 - 230 - 5	CONTA	ст <u>Robin</u>	
	TRANSPORTER OF WA	ASTE	
<u> </u>	i		
NAME: Kapable thy.	Syctera		
ADDRESS: 21 Charles	RA HATE	1) Pa	19440
	city	state VA	zip
DATE: 7-1A-95 TRU	CK #	license # XA §	) <del>(4.011)</del>
DRIVER SIGNATURE: 12	Comp.		·
v			
	DISPOSAL FACILIT	Y	
NAME: RESOURCE CONSER	VATION CORP.		
	,	•	
RECEIVED BY:		PERMIT #:	101421
Operator's Certification: I hereby declare above by proper shipping name and are condition for transport by highway acco	classified, packed, marked	, and labeled, and are in all	respects in proper
W Londals	a.	<u></u>	110/25
Operator's Signature	_	Dat	e '
BPCo 37117 3M Sets	1		

### REPUBLIC ENVIRONMENTAL SYSTEMS

		2337 NORTH PENN ROA
, <u>393899 1/1</u> -	•	HATFIELD PA 19440

OF PICKUP EPA IDENTIF	FICATION CODE NO. NJD001:					
NAPP CHEMICALS INC	ADDRESS _	199 MA				
LODI	STATE NJ	ZIF	076	PHONE .	201	773-390
ACT: BOB LOEWENSTEIN	BROKER:	Contai				
5 DOT Description (Including Proper Shipping Name, H	lazard Class, and ID Number)	No.	Type	Total Quantity	Unit Wt./Vol.	Waste N
NON DOT/RCRA HAZ DEBRIS NOT DOT REGUL	ATED	1 10.	Type	Goanny	1	
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OF OVERPACKS USED						
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Y TIME						
NERATOR CERTIFICATION:	fully and naturately described above		abinaina a		(4) 1	
ereby declare that the contents of this consignment are labeled, and are in all respects in proper condition for t	transport by highway according to a	e by proper ppjicable~int	sinpping n ern <u>a</u> tional	ame and are class and national gover	nmental re	eo, markeo egulations.
certify the all times listed above ale true and correct.	1109	da V	0.		למלח	9,-
it Name # UHZUHISH	Signature	Market Market		Date	4.01	<del>7</del> 5
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TOR # TRAILER#	BUX SPUTTED#	BUX FI	CKED UP#	LIN		
				201 225		
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SPORTER * Republic Env. Syste	<u>m</u>				-2660	· · · · · · · · · · · · · · · · · · ·
SPORTER * Republic Fire System		EPA ID	40. PA	0982661	381 381	-10-9
	SIGNATURE POL	EPA ID	NO. PA	0.98266	381 ATE 7	
SPORTER #2		EPA ID	NO. PA	0.982(6	381 ATE 7	
SPORTER #2	SIGNATURE SIGNATURE	EPA ID	NO. PA	D P.	381 ATE Z	
SPORTER #2		EPA ID	NO. PA	D P.	381 ATE 7	
T NAME KAIPH BAWKE	SIGNATURE SIGNATURE	EPA ID	NO. PA	D P.	381 ATE Z	
SPORTER #2 PANY T NAME ARRIVAL TIME	SIGNATURE SIGNATURE	EPA ID	NO. PA	D P.	381 ATE Z	-10-9
SPORTER #2 PANY F NAME ARRIVAL TIME DEPARTURE TIME	SIGNATURE SIGNATURE	EPA ID	NO. PA	D P.	381 ATE Z	
T NAME KAIPH SAWRE SPORTER #2 PANY T NAME ARRIVAL TIME DEPARTURE TIME	SIGNATURE SIGNATURE	EPA ID	NO. PA	D P.	381 ATE 7	
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SPORTER #2 PANY F NAME  CARRIVAL TIME  COMPARTURE TIME  H TIME  GIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY  GIGNED TO RESOURCE CONSERVATION CORP.	SIGNATURE	PHONI EPA ID	NO. PA	D. P 92 (66)	381 ATE 7	
SPORTER #2 PANY T NAME ARRIVAL TIME DEPARTURE TIME H TIME SIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY SIGNED TO RESOURCE CONSERVATION CORP.	SIGNATURE  SIGNATURE  REASON FOR DELAY  EPA IDENTIFICATION CODE N  ADDRESS  E PA ZIP 15924	PHONI EPA ID  O. N/A SHADE	NO. PA	D. P 92 (66)	381 ATE 7	

- GENERATOR FILE

TRANSPORTER FILE - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR) Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE Goldenrod - TSD FACILITY COPY





A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

#### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WS3844C

#### WASTE GENERATOR

RCC- 2008	<u>+</u>			
NAME:	Najy recondojies	·		
ADDRESS:	199 Hain Street	Logi	aŭ 076	
	ci	ty	state	zip
LOCATION:	<u> </u>			
TELEPHONE:	(201) 773-3500	CONTACT _	Keith Persan	ėo
	BROKER/AGE	NT OF GENERAT	OR	
NAME:	Republic Anvironse	ntal		·
ADDRESS:	2337 Koran Pana Ko		-	19440
		zy -	state	zip
TELEPHONE:	(215) 82 <u>2</u> -2676	CONTACT _	read read	ınjec
NAME: () ils	TRANSPOI	RTER OF WASTE		
	R+ 173 C/10		いる。	
	Cit	.y	state	zip
	TRUCK #	71	LICENSE # Pz	FGOU OFIO
DRIVER SIGNATURI	i chunnal vitu	wllaugh_	<del>,</del>	
		J		
	DISPOS	AL FACILITY		
NAME: RESOUR	CE CONSERVATION	CORP.		
RECEIVED BY:			PERMIT	#: 101421
above by proper shipping	I hereby declare that the congramme and are classified, pay by highway according to app	cked, marked, and	labeled, and are in	all respects in proper
Operator's Signature	andalshi .		· ·	7/10/95
Operator a Signature	V	1	L	-aic
8PCo 37117 3M Sets		-	Ω7	7/100///3



A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

### W538449

### WASTE GENERATOR

RCC-5002	4				·	
NAME:	daso Tachnologia	5				
ADDRESS:	199 Main Street		<u> </u>	.+3	07 <del>544</del>	<del></del>
		city		state		zip
LOCATION:	sarə			·		
TELEPHONE:	(201) 773-3900	c	ONTACT.	Keith da	rranec	<del></del>
	BROKER/A	GENT OF	GENERAT	OR	·	
NAME:	Republic environ	.cental		<u> </u>	····	
ADDRESS:	- 2037 Nacra Pana-			state	<del>`</del>	
TELEPHONE:		•	ONT A CT		mantin in	zip
TELEPHONE:		C	ONIACI.	******		
	TRANS	PORTER (	OF WASTE			
NAME: Wills ADDRESS: RT76	TRucking	1,40				
ADDRESS: RT78	- South Seave	ie Rd		/~73,U	_NJ	
		city		31414		zip
DATE: 10 - 9	TRUCK#	775	1	LICENSE #	XX49GA	700
DRIVER SIGNATURE	- Bildu	<u> </u>	luce	mela	·	
	DISE	/ POSAL FA	CILITY			
NAME: RESOURCE	E CONSERVATIO	N CORE	<u>.                                    </u>			
RECEIVED BY:				PEI	RMIT #: 101421	<del></del>
Operator's Certification: above by proper shipping condition for transport by	name and are classified	l, packed, n	arked, and	labeled, and	are in all respects in	
W La	adalole.				7/10/95	-
Operator's Signature	0		,		Date	



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#### **NON-HAZARDOUS RESIDUAL WASTE MANIFEST**

R55 -	50024
	0009

#### WASTE GENERATOR

Ree 0009			
NAME: NAPP CHEMICALS INC.			
ADDRESS: 199 MAIN STREET	LCDI	UN UN	07644
	city	state	zip
LOCATION:SAME			
TELEPHONE: (210) 773-3900	CONTACT	ECB LOWENSTEIN	
BROKER	R/AGENT OF GENERA	TOR	
NAME: REPUBLIC ENV SYS (PA), I	NC.		
ADDRESS: 2869 SANDSTONE DRIVE		<b>9</b> A	19440
	city	state	zip
TELEPHONE: (215)322-8995	CONTACT	ROSS SNOCK	
			·
TRA	NSPORTER OF WASTI	C	
NAME: REpublic &	M. romentites	Sys Ton.	(Transfer
ADDRESS: 21 Chura	h ed HAT	For 14 F	·
DATE: 7/10/95 TRUCK#	49/2050	state  LICENSE # 1919	zip 12420
DRIVER SIGNATURE: Philos	Zar-		
D	ISPOSAL FACILITY		
NAME: RESOURCE CONSERVAT	ΓΙΟΝ CORP.		
RECEIVED BY:		PERMIT #: _	101421
Operator's Certification: I hereby declare that above by proper shipping name and are classic condition for transport by highway according	fied, packed, marked, and	l labeled, and are in all a	espects in proper
III Handalder		7/	10/95
Operator's Signature //		Date	1

STRAIGHT BILL UP LAUING

### REPUBLIC ENVIRONMENTAL SYSTEMS

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70ber 393901 1/1	-/00		•	ELD PA 19440	215202				
OF PICKUP NAPP CHEN	AICALS INC	EPA IDENTIF	ICATION CODE	NO. NJD001 ADDRESS	315282 199 MA	IN ST	REFT		
ERATOR TOP CHE	120, 65 2.10			STATE NJ	ZIF	~~	C A A	NE 201	773-390
NTACT: BOB LOEWEN	STEIN			ROKER:					<del>,</del>
US DOT Description (Includi	ing Proper Shippi	ing Name, Ha	azard Class, and	ID Number)	No.	ners Type	Total Quantity	Unit Wt./Vol.	Waste N
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ARTED CUSTOMER	900A			114116-1	141	ofu	ore ye	1050	ALC
	900A			7147167	199		ore ge	/10 50	ARE.
ARTED CUSTOMER LAY TIME SENERATOR CERTIFICATION	DN:				-/ <i>4</i> -f	or u	ore ye	/10.50	ARE
ARTED CUSTOMER  LAY TIME  GENERATOR CERTIFICATIO I hereby declare that the cont	ON:	signment are	fully and accurat	sty described abov	ve by proper	shipping	name and are	classified, pac	eked, marked
ARTED CUSTOMER  LAY TIME  SENERATOR CERTIFICATIO I hereby declare that the conind labeled, and are in all resistor certify that an ame lister	DN: tents of this cons	condition for t	fully and accurate	sty described abov	ve by proper	shipping ternation	al and national	governmental	regulations.
ARTED CUSTOMER  LAY TIME  SENERATOR CERTIFICATIO I hereby declare that the control labeled, and are in all res	DN: tents of this cons	condition for t	fully and accurat	sty described abov	ve by proper	shipping	name and are all and national	governmental	regulations.
ARTED CUSTOMER  LAY TIME  SENERATOR CERTIFICATION I hereby declare that the control labeled, and are in all resists certify that an impediate print Name	on: Itents of this cons spects in proper of above his title	and correct.	fully and accurate ransport by high	ely described abov	applicable (1)	ernation.	al and national Date	governmental e	regulations.
ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATIO I hereby declare that the control labeled, and are in all resiliso certify that an impel lister rint Name:	on: Itents of this cons spects in proper c above heatile	and correct.	fully and accurate ransport by high Signatura BOX SPOT	ely described above according to a	BOX PI	CKED U	Dat	governmental e 7//C	regulations.
ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATIO I hereby declare that the control labeled, and are in all resiliso certify that an impel lister rint Name:	on: Itents of this cons spects in proper c above heatile	and correct.	fully and accurate ransport by high Signatura BOX SPOT	ely described above according to a	BOX PI	CKED U	Dat	governmental e	regulations.
ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATIO I hereby declare that the control labeled, and are in all resiliso certify that an impel lister rint Name:	on: Itents of this cons spects in proper c above heatile	and correct.	fully and accurate ransport by high Signatura BOX SPOT	ely described above according to a	BOX PI	CKED U	Dat	governmental e 7//C	regulations.
ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATIO I hereby declare that the control labeled, and are in all resiliso certify that an impel lister rint Name:	on: Itents of this cons spects in proper of above his title	and correct.	fully and accurate ransport by high Signatura BOX SPOT	ely described above according to a	BOX PI	CKED U	Dat	governmental e 7//C	regulations.
ARTED CUSTOMER LAY TIME SENERATOR CERTIFICATIO I hereby declare that the control labeled, and are in all results of certify that an amed lighter frint Name	on: Itents of this cons spects in proper c above heatile	and correct.	fully and accurate ransport by high Signatura BOX SPOT	ely described above according to a	BOX PI PHON EPI ID	CKED U E NUMB	Dat	governmental e 7//C	regulations.
ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATIO I hereby declare that the control labeled, and are in all results certify that an amed lister frint Name	on: Itents of this cons spects in proper c above heatile	and correct.	fully and accurate ransport by high Signatura BOX SPOT	ely described above according to a	BOX PI PHON PHON	CKED U E NUMB	Par Z/3 Par Z/3 Par Z/3 Par Z/3 Par Z/3	LINER 5-822- LOTE	regulations.
ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATION I hereby declare that the control labeled, and are in all results of certify that an amediate print Name	on: Itents of this cons spects in proper c above heatile	and correct.	fully and accurate ransport by high box SPOT	ely described above according to a	BOX PI PHON PHON	CKED U E NUMB	Para Aliana Para A	LINER 5-822- LINER DATE	regulations.
ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATION In hereby declare that the control labeled, and are in ell resistor certify that the time lister from Names 11 the control labeled, and are in ell resistor certify that the time lister from Names 12 the labeled la	on: Itents of this cons spects in proper c above heatile	and correct.	fully and accurate ransport by high box SPOT	TED#	BOX PI PHON PHON	CKED U E NUMB	Para Aliana Para A	LINER S-82Z- 66138 DATE	regulations.
ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATION I hereby declare that the control labeled, and are in all resists certify that the mediate of the control labeled, and are in all resists certify that the mediate of the control labeled, and are in all resists certify that the mediate of the control labeled and labeled, and are in all resists certify that the control labeled and labeled an	on: Itents of this cons spects in proper c above heatile	and correct.	fully and accurate ransport by high signatural BOX SPOT	TED#	BOX PI PHON PHON	CKED U E NUMB	Para Aliana Para A	LINER S-82Z- 66138 DATE	regulations.
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ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATION In hereby declare that the control labeled, and are in ell resistor certify that the mediate print Name;  ACTOR # #2  ANSPORTER #1  ANSPORTER #2  MPANY INT NAME  DF ARRIVAL TIME  DF DEPARTURE TIME  ELAY TIME  NISH TIME	TRAILER	2550	fully and accurate ransport by high land accurate ransport by high land accurate ransport by high land land land land land land land land	TED#  ATURE  R DELAY	BOX PI PHON EPA ID EPA ID	CKED U E NUMB	Para Aliana Para A	LINER S-82Z- 66138 DATE	regulations.
ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATION In hereby declare that the control labeled, and are in ell resists certify that the time lister from the labeled, and are in ell resists certify that the time lister from th	TRAILER®	2550  Sys  AL FACILITY	signatur  BOX SPOT  BOX SPOT  SIGNA  SIGNA  REASON FO	TED#  ATURE  R DELAY	BOX PI PHON EPA ID EPA ID	CKED U E NUMB NO.	al and national Date Pr X PR 2/3 PR 2/3 PR 2/3 PR 2/3	LINER  LINER  BZZ-  LINER  DATE  DATE	regulations.
ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATION I hereby declare that the control labeled, and are in all resiliso certify that in medilister rint Name;  ACTOR # #2  ANSPORTER #1  MPANY INT NAME  DF ARRIVAL TIME  DF DEPARTURE TIME  SLAY TIME  NSIGNEE/TREATMENT/STO  NSIGNED TO RESOURCE	TRAILERS  DRAGE/DISPOSA	2550  Sys  AL FACILITY  ON CORP.	fully and accurate ransport by high signatur BOX SPOTE SIGNAL SIG	ATURER DELAY	BOX PI PHON EPA ID PHON EPA ID NO. NA	CKED U E NUMB NO	al and national Date Property	LINER  LINER  BZZ-  LINER  DATE  DATE	regulations.
ARTED CUSTOMER LAY TIME  SENERATOR CERTIFICATION In hereby declare that the control labeled, and are in ell resists certify that the time lister from the labeled, and are in ell resists certify that the time lister from th	TRAILERS  DRAGE/DISPOSA	2550  345  AL FACILITY  ON CORP.	SIGNA  REASON FO  EPA IDENTIFI	ATURE	PHON EPA ID PON EPA ID SHADE	CKED U E NUMB NO	al and national Date Property	LINER  LINER  BZZ-  LINER  DATE  DATE	regulations.





A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

#### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

	NO OO NEOLO ON O		
R55-50024 W.	ASTE GENERATOR		
RCC-QQQQ			
NAME: NAPP CHEMICALS INC.			
ADDRESS: 199 MAIN STREET	LODI	ַ עו	07644
	city	state	zip
LOCATION:SAME		<del></del>	
TELEPHONE: (210)773-3900	CONTACT	DOB COMENSTEI	N
•			
BROKER	AGENT OF GENERA	ATOR	
operato may eve (ma). The			
NAME: REPUBLIC ENV SYS (PA), IN			
ADDRESS: 2869 SANDETONE DRIVE	HATFIELD city	ÇA state	19440 zip
relephone: <u>(215)822-3995</u>	·	••••	шр
TELEPHONE: 1215/622-5595	CONTACT	NASS SINCEN	
. TRAN	SPORTER OF WAST	<b>TE</b>	
	-		
NAME: A Charles H. Beck	Re Ro	public Eurison	monitai Systems
NAME: R Charles H. Beck ADDRESS: 21 Church Street	Hulfield	Per	19440
DATE: 7-10-95 TRUCK#	48	_ LICENSE # <u>AB</u>	<u>43484 174</u>
DRIVER SIGNATURE:	20h		
DI	SPOSAL FACILITY		
DESCRIBES CONSEDUAT	ION COPP		
NAME: RESOURCE CONSERVAT	ION CORP.	<del></del>	· · · · · · · · · · · · · · · · · · ·
RECEIVED BY:		PED MIT 4	. 101 <b>42</b> 1
Operator's Certification: I hereby declare that tabove by proper shipping name and are classifi			
condition for transport by highway according t	o applicable Internatio	nal and government re	
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STRAIGHT

**BILL OF LADING** 

### REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD

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RATOR NAPP CHEMICALS INC		315282 199 MA	IN STR	FET	<del></del>	
1007	ADDRESS STATE NJ	ZII	07/		201 7	73-390
ITACT: BOB LOEWENSTEIN	BROKER:			- PHONE _		
	Harried Class and ID Markey	Conta	iners	Total	Unit	Waste I
JS DOT Description (Including Proper Shipping Name, I		No.	Туре	Quantity	Wt./Vol.	772518 /
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ARTED CUSTOMER						
AY TIME						<del></del>
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ENERATOR CERTIFICATION:						
hereby declare that the contents of this consignment are ad labeled, and are in all respects in proper condition for	transport by highway according to	ve by proper appliæble	shipping i	name and are classi and national gover	ified, pack nmental re	ed, marke
hereby declare that the contents of this consignment are ad labeled, and are in all respects in proper condition for	transport by highway according to	ve by proper applicable	shipping it	and national gover	ified, pack nmental re 7 – 17) –	ed, marked egulations.
hereby declare that the contents of this consignment are	transport by highway according to	ve by proper	shipping itemstional	name and are classi and national govern	ified, pack nmental re	ed, marked egulations. 95
hereby declare that the contents of this consignment are not labeled, and are in all respects in proper condition for so certify that all times listed above are true and correct rint Name	Signature	applicable 1	ternational	and national govern	nmental re	ed, marke egulations. 95
hereby declare that the contents of this consignment are ad labeled, and are in all respects in proper condition for	transport by highway according to	BOX P	ICKED UP	Date LIN	nmental re	95
hereby declare that the contents of this consignment are in all respects in proper condition for so certify that all times listed above are true and correct rint Name HI THZ HISK:  ACTOR # 48  TRAILER# 2500	Signature  BOX SPOTTED#	BOX P	ICKED UP	Date LIN	nmental re	95 24
hereby declare that the contents of this consignment are in all respects in proper condition for so certify that all times listed above are true and correct rint Name HELAZOAISK:  TRAILER# 2500	Signature  BOX SPOTTED#	BOX P	ICKED UP	Date LIN	nmental re	95 24
hereby declare that the contents of this consignment are in all respects in proper condition for so certify that all times listed above are true and correct rint Name HI THZ HISK:  ACTOR # 48  TRAILER# 2500	Signature  BOX SPOTTED#	BOX P	ICKED UP	Date Date LIN	nmental re	95 21
hereby declare that the contents of this consignment are not labeled, and are in all respects in proper condition for so certify the all times listed above are true and correct rint Name HTAZAHSKI.  ACTOR # 48  TRAILER# 2500  ANSPORTER #1  MPANY  Republic Environment  MPANY  Charles H. Beck To	BOX SPOTTED#	BOX P PHON	ICKED UP	Date LIN	nmental re 7-10-	95 21
hereby declare that the contents of this consignment are in displed, and are in all respects in proper condition for so certify that all times listed above are true and correct rint Name H TAZOA SKI  ACTOR # 48  TRAILER# 2500  ANSPORTER #1  MPANY ROLLIC ENVIRONCETT  NOT NAME Charles H. Beck R	BOX SPOTTED#	BOX P PHON	ICKED UP IE NUMBE	Date Date LIN CAD 982 LAND 982 LAND 982 LAND DATE DATE DATE DATE DATE DATE DATE DAT	nmental relations of the second secon	95 21
hereby declare that the contents of this consignment are in all respects in proper condition for so certify that all times listed above are true and correct rint Name HI CHAZAHISK:  ACTOR # HI THAZAHISK:  ACTOR # TRAILER# 2500  ANSPORTER #1  MPANY Republic Environment  ANSPORTER #2  MPANY Republic Environment  MPANY Republic Environment	BOX SPOTTED#  Signature  BOX SPOTTED#  SIGNATURE  SIGNATURE	BOX P PHON	ICKED UP	and national government of the property of the	-   0 -	95 24
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hereby declare that the contents of this consignment are and labeled, and are in all respects in proper condition for so certify that all times listed above are true and correct rint Name HI THZOHISK!  ACTOR # 18 TRAILER# 2500  ANSPORTER #1 PROBLE ENVIRONCE TO TRAILER# 2500  ANSPORTER #2 PROBLE ENVIRONCE TO TRAILER#	BOX SPOTTED#  BOX SPOTTED#  SIGNATURE  SIGNATURE  REASON FOR DELAY  Y EPA IDENTIFICATION CODE	BOX P PHON EPA ID PHON EPA ID	ICKED UP IE NUMBE NO. P	AD 9826	nmental re 7-10-	95 24 7-10-5
hereby declare that the contents of this consignment are and labeled, and are in all respects in proper condition for so certify that all times listed above are true and correct rint Name HI TAZAA SKI.  ACTOR # 18 TRAILER# 2500  ANSPORTER #1 PROBLE ENVIRONMENT REPUBLIC ENVIRONMENT	BOX SPOTTED#  BOX SPOTTED#  SIGNATURE  SIGNATURE  REASON FOR DELAY  Y EPA IDENTIFICATION CODE  ADDRESS	BOX P PHON EPA ID PHON EPA ID  ON MARKET SHABE	ICKED UP IE NUMBE NO. P	IP WASTE MCT.	nmental re 7-10- 1ER 2-8-7 1e 13 & 12-8-1 1e 138 ATE	95 24 7-10-5
hereby declare that the contents of this consignment are and labeled, and are in all respects in proper condition for so certify that all times listed above are true and correct rint Name HI THZOHISK!  ACTOR # 18 TRAILER# 2500  ANSPORTER #1 PROBLE ENVIRONCE TO TRAILER# 2500  ANSPORTER #2 PROBLE ENVIRONCE TO TRAILER#	BOX SPOTTED#  BOX SPOTTED#  SIGNATURE  SIGNATURE  REASON FOR DELAY  TY EPA IDENTIFICATION CODE  ADDRESS  ATE PA ZIP 1592	BOX P PHON EPA ID PHON EPA ID  ON MA	ICKED UP IE NUMBE NO. P	AD 9826	nmental re 7-10- 1ER 2-8-7 1e 13 & 12-8-1 1e 138 ATE	95 24 7-10-5
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UB - TRANSPORTER FILE

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE Goldenrod - TSD FACILITY COPY

PEDINI IC (PA) DOCUMENT DEPARTMENT FILE

FORM #102 B (Rev. 1/95)





 $\boldsymbol{A}$  wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WS3844

#### WASTE GENERATOR

RCC-SODA	<u>+</u>			•
NAME:	wabu fachnoloui	<b>3</b> S		<del>-</del>
ADDRESS:	195 Wain Street			
		city	state	zip
LOCATION:	5930	•		•
TELEPHONE:	<u>(201) 773-3900</u>	CONTACT _	Keith Tersans	>
	BROKER/A	GENT OF GENERAT	OR	
NAME:	Republic anviro	amentul		
ADDRESS:	2337 Mocan Pena		elo, PA	104444
TELEPHONE:	(215) d22-257s	city CONTACT _	state Grag Granuli	zip Oger
NAME: 11/1/5 ADDRESS: 27/18	TRACKING S. Sewier Fa	PORTER OF WASTE	NJ.	
DATE: 13.45	TRUCK#_	093	state  LICENSE #	1968 NJ
DRIVER SIGNATURE:	DISI	POSAL FACILITY	nul	
NAME: RESOURC	E CONSERVATIO	ON CORP.		
RECEIVED BY:		· · · · · · · · · · · · · · · · · · ·	PERMIT #:	101421
Operator's Certification: I above by proper shipping ondition for transport by	name and are classified	l, packed, marked, and	labeled, and are in all	respects in proper
W Yan	dalsai	······································		13/95
Operator's Signature	7		Dái	ie <sup>j</sup>



A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

#### NON-HAZARDOUS RESIDUAL WASTE MANIFEST

•	•
R65 -	50024
$\sim$	0009

#### WASTE GENERATOR

RGC-0009			
NAME: NAPP CHEMICALS INC.			
ADDRESS: 199 MAIN STREET	LCDI	NJ	07644
	city	state	zip .
LOCATION: SAME		-	
TELEPHONE: (210) 773-3900	CONTACT	BCB LOWENSTEIN	
·	••	•	
BROKER	R/AGENT OF GENERA	TOR	
NAME: REPUBLIC ENV SYS (PA), IT	ac.		
ADDRESS: 2669 SAMESTONE DRIVE	HATFIELD	PA	19440
ADDRESS.	city	state	zip
TELEPHONE: (215)822-8995	CONTACT	ROSS SNOOK -	
		•	
TRA	NSPORTER OF WASTE	E	
NAME: RAPOTTE ENV	istem		
ADDRESS: Des 2) Charles	Ó HATT-IL PA	12440	
	city	state	zip
DATE: 7-149 TRUCK #	<u> </u>	LICENSE #	1570
DATE: TRUCK #  DRIVER SIGNATURE:	thoran	· · · · · · · · · · · · · · · · · · ·	
•	•		
· D	ISPOSAL FACILITY		
NAME: RESOURCE CONSERVAT	TION CORP.		
RECEIVED BY:		PERMIT #:	01421
Operator's Certification: I hereby declare that above by proper shipping name and are classif	the contents of this consi	gnment are fully and accur	ately described
condition for transport by highway according	to applicable Internation	al and government regulat	ions.
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IN Y NOT IN TOWN			<u>(ノブ</u> )

STRAIGHT BILL OF LADING

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### REPUBLIC ENVIRONMENTAL SYSTEMS

	•	2337 NORTH		)				
er 393905 1/1		HATFIELD	PA 19440					
L . OF PICKUP	EPA IDENTIFIC	ATION CODE NO.	NJD0013	15282				
GENERATOR NAPP CHEMICA	LS INC		ADDRESS	199 MA.				
CITY LODI	TN		TE NJ	ZIP	076	44 PHONE	201	773-390
CONTACT: BOB LOEWENSTE		BROK	EH:	Contair	ners		Unit	
US DOT Description (Including Pro	oper Shipping Name, Haz	ard Class, and ID N	lumber)	No.	Туре	Total Quantity	Wt./Vol.	Waste N
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Additional Information/Lab Code				Emerge	ency Phor	1800-Z	20-89	96
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CONTRACT/PO NO.		SPECIAL INSTRU	CTIONS / REA	SONS FO	R DELAY	· · · · · · · · · · · · · · · · · · ·		
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DEPARTED CUSTOMER								
OCEAT TIME		·····				·		
GENERATOR CERTIFICATION:  1 hereby declare that the contents of	of this consignment are fu	ily and accurately_d	escribed above	by proper	shipping (	name and are clas	sified, pacl	ked, markec
and labeled, and are in all respects also certify that any times listed above	in proper condition for tra	insport by highway	coording to ap	plicable in	gnational	and national gove	rnmental r	equiations.'
Print Name	dhiski	_ Signature	V YOU	yda)	su	L Date _	7/13	195
110	2000	1		1		}	<del></del>	4
TRACTOR # 45 TRA	AILER# 2080	BOX SPOTTED	#	BOX PI	CKED UP		NER	<u>jej</u>
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COMPANY REPUBLIC P	ENV systems			EPA ID	NO.	1098266	138]	
Chale	Dankin	SIGNATUF	[ ( )	1	Lon		TATE	713-9
PRINT NAME	782.1134		16	BUON	E NUMBE	1150	22-26	7/
TRANSPORTER #2	olle Emvsy	chene			1	A 1) 997/	1128	}
COMPANY	110 210 27	37073	-	EPA ID	NO	1026	<i>ь/У</i>	
PRINT NAME		SIGNATUF	3E				DATE _	
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TSDF DEPARTURE TIME						<del></del>		<del></del>
DELAY TIME								
FINISH TIME						<del></del>		
ISIGNEE/TREATMENT/STORAG	E/DISPOSAL FACILITY			*****	:			
SIGNED TO RESOURCE COI			ADDRESS.	SHADE	TOWNSH	IP WASTE MET	. FAC.	<del></del> '
THIS IS TO CERTIFY THE ACCEPTA		PA TREATMENT		POSAL	HUNE8	14 754-4587	-	
PRINT NAME	MADE OF THIS WAS IE	SIGNATURE		- OOAL			DATE.	



	RDOUS RESIDUAL V	VASTE MANIFEST	
R65-50024 W	ASTE GENERATOR		
RCC 00009			·
NAME: NAPP CHEMICALS INC.			
ADDRESS: 199 MAIN STREET	LCDI	W	075-4
	city	state	zi
LOCATION: S.ME			
TELEPHONE: (210)773-3900	CONTACT	3CB LOWENSTEIN	
DRAVED	/AGENT OF GENERA	ATOR	
BRUNER	AGENI OF GENERA	AIUK	
NAME: REPUBLIC ENV SYS (PA). IN	······································		
ADDRESS: 2869 SANDSTONE DRIVE	HATFIELD	?A	19440
•	City	state	zi
TELEPHONE: (215)322-3995	CONTACT	r <u>rces swock</u>	
TRAN	SPORTER OF WAST	TE	
	-		
ADDRESS: 21 Chuert Short	al Systems 1	TRANS (Leave)	
ADDRESS: 21 Chuech Strong	Mathold	Pa	<u> </u>
DATE: 7-13-95 TRUCK #		_ LICENSE # 43489	(P/F
DRIVER SIGNATURE:	1,		
· · · · · · · · · · · · · · · · · · ·			
<i>:</i> 51	SPOSAL FACILITY	•	<b>3</b>
NAME: RESOURCE CONSERVAT	ION CORP.		
RECEIVED BY:	<u> </u>	PERMIT #:101	421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

STRAIGHT

**BILL OF LADING** 

### REPUBLIC ENVIRONMENTAL SYSTEMS

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٠.	PICKUP 7-1		FICATION CODE NO.		315282			<del></del>	<del></del>
		EMICALS INC	FICATION CODE NO.	ADDRESS	199 MA	IN ST	REET		
	LODI		ST/		ZII		544 PHONE	201	773-39
ONT	ACT: BOB LOE	ENSTEIN	BROK				- THORE		
US	DOT Description (Inc	cluding Proper Shipping Name, H	lazard Class, and ID I	Number)	Conta No.	iners Type	Total Quantity	Unit Wt./Vol.	Waste
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	Y TIME								
	JERATOR CERTIFICA	TION	<u> </u>						
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and aiso	labeled, and are in all certify that all times	respects in proper condition for isted above are true and correct.	transport by highway	aceording to a	pplicable in	tenation	il and national gove	rnmental r	egulatio
	t Name	-Azd Alski	Signature	X JA	you	Xeli	Date	413	143
TRAC	TOR # 46	TRAILER# 2400	BOX SPOTTED	*		ICKED U		ER	
<b>TD 441</b>	CROPTED #4-			•			ER215-882		6
COMP	SPORTER #1 REDIL	blic Environantal	Systems IR	avs brow	EPA ID	NO. PA	D982661	381	
	NAME Charl	x H. Rechir	SIGNATUR	a	ren	1		~	7-13-
PHINI		<u> </u>							
	SPORTER #	lic Environmental	a dark	7 (	A PHON	PL NUMB	10000	1201	<u> </u>
COMP	PANY NEPAD	IC SUUL ROMCURS			EPA ID	NO. 🕼	180pp	DE	
PRIŅT	NAME	<u> </u>	SIGNATUR	RE	<u> </u>			ATE	
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	Y TIME H TIME	<u></u>							
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		RCE CONSERVATION CORP.				TOWNS	HIP WASTE MET	FAC.	
iTY.	CAIRNBROOK	STA	TE PA	ZIP - 1592	} F	HONE	<del>814 754-4587</del>	4	
		ACCEPTANCE OF THIS WASTE			SPOSAL	. ,			
PHINT	NAME		SIGNATURE					DATE .	

STRAIGHT BILL OF LADING

# REPUBLIC ENVIRONMENTAL SYSTEMS 2397 NORTH PENN ROAD

ar 393903 1/1		. 2337 NORTH PEN				Dra	20	
OF BICKUR 713	195 EPA IDENTIF	ICATION CODE NO. NJ	D001315	5282				
NERATOR NAPP CHEMI	CALS INC		RESS	99 MA	IN STR			
LODI		STATE_	NJ	ZII	076	HONE .	201	773-3900
NTACT: BOB LOEVENS	STEIN	BROKER: _					<del></del>	
US DOT Description (Including	g Proper Shipping Name, H	azard Class, and ID Numbe	r)	Conta No.	Type	Total Quantity	Unit Wt./Vol.	Waste No.
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EPARTED CUSTOMER	10:15A *						<del></del>	
ELAY TIME								
GENERATOR CERTIFICATION								<del></del>
"I hereby declare that the content and labeled, and are in all response	nts of this consignment are a acts in proper condition for t	fully and accurately describe ransport by highway accord	ed above by ing to appli	y proper icable in	shipping : ternational	name and are class and national gover	ified, paci	ked, marked
also certify that all times listed a	above are true and,correct.		1.1		0.5	A	ol.3	105
Print Name ACDURT	LOEWEN STRIN	Signature	rein	192.0	ZNO.	Date _	<u> 448</u>	72
RACTOR: 46	TRAILER# 2020	BOX SPOTTED#		90Y B	ICKED IID	<u> </u>	IER	1
IACTOR'S TO	THAILERS GOOL	BUX SPOTTED#			ICKED UP			<del>_'</del>
ANSPORTER #1				PHON		RAIS-997.		
	HC ENV. SYS	5 TG		EPA ID	NO	PhD98860		
RINT NAME	JONES	SIGNATURE		==		0	ATE	1113/95
ANCROOTER #2			·	PHON	E NUMBE	R		
RANSPORTER #2 OMPANY				EPA ID	NO			
RINT NAME		SIGNATURE					ATE	
SDF ARRIVAL TIME		REASON FOR DELAY						
SDF DEPARTURE TIME		<b> </b>			<del></del>			
ELAY TIME								<b></b> 5
NISH TIME ONSIGNEE/TREATMENT/STOR	AGE/DISPOSAL FACILITY	EPA IDENTIFICATION C	ODE NO.	M / A				= 4
NSIGNED TORESOURCE_	•	ADI	DRESS	THANE.	TOUNCH	ID WASTE MOT	FAC	
TYCAIRNBROOK	STAT	E ZIP	15924-	P	HONE_A	14 754-4587	170.	877490454
IS IS TO CERTIFY THE ACCE	PTANCE OF THIS WASTE	FOR TREATMENT STORA	GE DISPO	DSAL				87
RINT NAME		SIGNATURE	<del></del> .		<del></del>		DATE.	
CENEDATOR EILE		Valley - DEDURING (DA)		05040		ETUDU TO OFFIC		

#### STRAIGHT

#### BILL OF LADING

# REPUBLIC ENVIRONMENTAL SYSTEMS

her 393902 1/1		2337 NORTH PENN HATFIELD PA 194					
- OF PICKUP	3/95 EPA IDEN		01315282				
ENERATOR NAPP CHE	MICALS INC		ss 199 M				
TY LODI	N. 10-7-7-11	STATE	<b>IJ</b> zı	P 076	HONE	201	<u>773-39</u>
ONTACT: BOB LOEWE	WOLFTH	BROKER:				·	<del></del>
US DOT Description (Includ	ding Proper Shipping Name,	Hazard Class, and ID Number)		iners	Total Quantity	Unit Wt./Vol.	Wast
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			7.//***********************************				
ONTRACT/PO NO	,	SPECIAL INSTRUCTIONS	REASONS F	OR DELAY	<del>1 </del>		
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AIVAL AT CUSTOMER	10:10 Ha	-					
EPARTED CUSTOMER	10:10 m						
	10:10 Hm						
DEPARTED CUSTOMER DELAY TIME  GENERATOR CERTIFICATION	ON:	are fully and accurately described	above by prope	r shipping r	name and are class	sified nac	ked mark
DELAY TIME	ON: ntents of this consignment a	are fully and accurately described or transport by highway according	above by prope to applicable in	r shipping r	name and are class and national gove	sified, pac	ked, mark
DELAY TIME  GENERATOR CERTIFICATION  I hereby declare that the coronand labeled, and are in all relations certify that all times listed.	ON: ntents of this consignment a espects in proper condition to ed apove are true and correc	or transport by highway according	above by prope to applicable in	r shipping r	and national gove	sified, pac	iked, mark regulation
DELAY TIME	ON: ntents of this consignment a espects in proper condition to ed apove are true and correc	or transport by highway according	above by prope to applicable in	r shipping r nternational	name and are class and national gove	sified, pacernmental	iked, mark regulation
GENERATOR CERTIFICATION  "I hereby declare that the coronand labeled, and are in all relation certify that all times lists  Print Name	ON: ntents of this consignment a spects in proper condition feet above are true and correct the work STE1:	or transport by highway according	to applicable in	nternational	and national gove	7//3/	iked, mark regulation
DELAY TIME  GENERATOR CERTIFICATION  I hereby declare that the coronand labeled, and are in all relations certify that all times listed.	ON: ntents of this consignment a espects in proper condition to ed apove are true and correc	or transport by highway according	to applicable in	PICKED UP	and national gove	sified, pacernmental	iked, mark regulation
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GENERATOR CERTIFICATION IN THE PRINT OF THE	ON: ntents of this consignment a espects in proper condition for ed above are true and correct the wear. Ten	or transport by highway according ct: Signature BOX SPOTTED#	BOX F	PICKED UP:	Date	NER	iked, mark regulation
GENERATOR CERTIFICATION  GENERATOR CERTIFICATION  Thereby declare that the coronand labeled, and are in all region certify that all times lists  Print Name A O DOR +  RACTOR # 33	ON: ntents of this consignment a espects in proper condition for ed above are true and correct the wear. Ten	or transport by highway according	BOX F	PICKED UP:	Date	7//3/	iked, mark regulation
GENERATOR CERTIFICATION "I hereby declare that the core and labeled, and are in all results certify that all times listed Print Name Copy 1  RACTOR # 33  RANSPORTER #1  COMPANY RINT NAME Copy 1	ON: ntents of this consignment a espects in proper condition for ed above are true and correct the wear. Ten	or transport by highway according ct: Signature BOX SPOTTED#	BOX F	PICKED UP	Date	NER	iked, mark regulation
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White - GENERATOR FILE Blue - TRANSPORTER FILE GOOD - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR) Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE Goldenrod - TSD FACILITY COPY

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ty under penalty of law that I personally have examined and am familiar with the waste and that the la contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or solinot subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for thing a false certification, including the possibility of fine or imprisonment.

YTEM	<b>CODE</b> 提			SUBCATEGORY	
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_	chlorobenzene			pyridine	
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	ethyl acetate		ABCD_		m muoi oemane
ABCD_	ethyl benzene		ABCD_	Aylelles	
VI CALIFORN	via list wastes				•
	NICKEL ≥ 134 mg/1				
	NICKED 2 134 mg/1 LIQUIDS WITH PCB's ≥ 50	n DDM			
	THALLIUM > 130 mg/1	, FLMT			P. 57
	HALOGENATED ORGANIC	CAPRON (HO		10 mg/1	•
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Month Day



Printed/Typed Name



	or print in block letters. (Form designed for ties or	Trenton, NJ 08625 n ellis (12-pitch) typewriter, 2-417 rator's US EPA ID No. 72-7	Manifest	2. Page 1		1050-0039. Expires
U	WASTE MANIFEST	00 13 19 28 2	Document No.	a 1	is not n	tion in the shaded are equired by Federal I
	erator's Name and Mailing Address PFP PEOGLESIZES (CRESHCALS) LEDI	MAIN ST. NO 6744	9-0000		U.	
	erator's Phone ( 908 ) 385-9620	***				William Trans
· "i		6. US EPA ID Nut	nber 3 7 1 6		MADON M	
	sporter 2 Company Name	6. US EPA ID Nur	nber		rier a Phone	1000
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Desi	gnated Facility Name and Site Address	10. US EPA ID Nur	nber		Decal No	
	CYCLE CIEN INC. 217 SOUTH FIRST ST.			<del></del>	rter's Phone	
	ELIZMATH NJ 07296-0	1000   N.J.B. 6,0,2,2 p	.0 ú .4 b		acity's ID	B ,355-5804
			<u> </u>	H. Facility	s Phone (,	14. 6.76 T.
US [ HM	DOT Description (Including Proper Shipping Name, F ID Number and Packing Group)	Hazard Class or Division,	No.	Туре	Total Quantity	Unit Waste N
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1	Itional Descriptions for Materials Listed Above				na Cadas ins l	Wastes Listed Above
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	ding Debris 5% Mater 5%				t f	c. 1
		ege π² e E			<del> </del>	
	. d			ь.	1 . 4	d.  -
. Spec	cial Handling Instituctions and Additional Information	DESERVE VIOLE	908-442-	-4900	•	
,	A) 344907-CEH002-00	A75966	· •			W/D 028532
class	ERATOR'S CERTIFICATION: I hereby declare that it stilled, packed, marked, and labeled, and are in all stroment regulations.	the contents of this consignment are respects in proper condition for tra	fully and accuranged to the fully and accuranged to the full and accuranged to the full and accuranged to the full and accuranged to the full and accuranged to the full and accuranged to the full and accuranged to the full and accuranged to the full and accuranged to the full and accuranged to the full and accuranged to the full and accuranged to the full accurance accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accurance accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accurance accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accurance accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to the full accuranged to t	ately describe way accordin	d above by pr g to applicabl	oper shipping name a e international and n
econ	orn a large quantity generator, I certify that I have a pro- nomically practicable and that I have selected the prac- re threat to human health and the environment; OR, if the twest waste management method that is available to me	cticable method of treatment, storage I am a small quantity generator, I ha	, or disposal cu	rrently availal	ole to me which	h minimizes the prese
	GAZDASK:	Signator 9	ada	lari		Month Day
	sporter 1 Acknowledgement of Receipt of Materials		الإنسا			··········
Print	red/Typed Name	Signature			1.	Month Day
-	Ovi 5 Cor O1		tem.		27	
	sporter 2 Acknowledgement of Receipt of Materials ed/Typed Name	Signature		•		Month Day
	The state of the s					

30. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Signature

REPUBLIC ENVIRONMENTAL SYSTEMS

B/L her 394436 1/1	. •	2337 NORTH PENN ROA HATFIELD PA 19440	D			:	
ber 334436 1/1		* 1700013	15202			·	
GENERATOR NAPP CHEMICALS	INC EPA IDENTIFH	CATION CODE NO. NJD0013		N STE	EET	<u> </u>	
CITY LOOI		- STATE NJ	71P	: 076	44 PHONE	201 8	43-46
CONTACT: BOB LOEWENSTEIN		BROKER:					
US DOT Description (Including Proper			Contaí No.	ners Type	Total Quantity	Unit Wt./Vol.	Waste
a WASTE OXIDIZING SUBSTANCE (BISMUTH SUBNITRATE, POWDE		.S.,5.1,UN1479,P6 II	XXU	D M	x 1000	P	
b. NON DOT/RCRA HAZ SOLID NO	T DOT REGULAT	ED Fig.	7 4 - 1	שע	77000		DO
c NON DOT/RCRA HAZ LIQUID N	IOT DOT DECINA	TEN		D M		Р	N/
o. Non Doll work the Electo in		TCV.	rall	. 5. 14	NECXX		
d.			~/ T	D M	NEWSO	G	X 7
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Additional Information/Lab Code	· · · · · · · · · · · · · · · · · · ·	·	Emero	ency Pho	nne#	l	L
a AD38617 SO1		c WD38616	SC	•			
b WD28805 S01	•	d					•
CONTRACT/PO NO. SHERRIE	R				, White	1	140.
OF OVERPACKS USED	· · · · · · · · · · · · · · · · · · ·	SPECIAL INSTRUCTIONS / RE.	ASONS FO		A WAILT	n c	A GR
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DEPARTED CUSTOMER		+ <del></del>	oka	Hit-	more Great		eke
DELAY TIME			FirkU	v 7	Saio we	Hai	0 10
GENERATOR CERTIFICATION: "I hereby declare that the contents of thi	is consignment are f			<i></i>	name and are close		
and labeled and are in all respects in pr	roper condition for tr	ansport by highway according to a	oplicable in	ternation	al and national gover	nmental r	egulation
also certify that all times listed about a	Tellave	Signature X	Tu	ar	ov Date	1-2	7-8
5	. 3/90	leav coarres	l BOY B				
TRACTOR # 5 TRAILER	· 4/0	BOX SPOTTED#		E AND 45			<del></del>
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TRANSPORTER #2 COMPANY REPUBLIC ENV S	VC (TDANC C	oours.	•		ER <u>215 822</u>	<del>-2676</del>	
COMPANY REPUBLIC ENV S	13 (TRAIS G		EPA ID	NO!	PAD982661381		·
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TSDF DEPARTURE TIME		Thaten Oured	Down	نوی	ne Breach	to C	UF
DELAY TIME		when out Real		ic 8	num 7	390	محكحة
FINISH TIME  'NSIGNEE/TREATMENT/STORAGE/DI	SPOSAL FACILITY			560050	2		
VSIGNED TO REPUBLIC ENV SY	S (PA), INC.	ADDRESS	<del>- 2869 S</del>	ANDST	NE DRIVE		(
Y -HATFIELD		E_PA ZIP _19440	P	HONE_2		- •	· `
THIS IS TO CERTIFY THE ACCEPTANCE		FOR TREATMENT STORAGE DIS	PUSAL	•	· .	_DATE	
No.						·	

White - GENERATOR FILE
Blue - TRANSPORTER FILE

E OF PICKUP 7/27/95 EPA IDEN	TIFICATION CODE NO. NJD0013	100 MAY	N CTD			
ERATOR NAPP CHEMICALS INC	ADDRESS	199 MAI	p 076	CEI	201 8/	3-4664
LODI  TACT: BOB LOEWENSTEIN	STATE NJ	ZI	p <u>0,0</u>	PHONE !	201 0	
	BROKER:	Conta	iners	Total	Unit	
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ARTED CUSTOMER						
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ERATOR CERTIFICATION:						
ereby delcare that the contents of this consignment are ful	ly and accurately described above by p	roper shipping	name ar	nd are classified, packe	d, marked	and
led/placarded, and are in all respects in proper condition times listed above are true and correct.	or transport according to applicable int	rnational and	national	yovernmental regulation	4	
Name X HI GAZDAISKI	Signature X	rda	XXX	Date	7/27/	95
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CTOR # 43 TRAILER# 410	D BOX SPOTTED#	ВОХ	PICKED	UP# 9890 1	INER	
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- GENERATOR FILE - TRANSPORTER FILE n - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR) Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE Goldenrod - TSD FACILITY COPY

DCN: 01-206-FI Rev. 6/95

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### **DAMAGE CONTROL REPORT**

SYSTEMS, INC. -21 CHURCH ROAD HATFIELD, PA 19440 (215) 997-9111 (215) 997-6016 FAX

2. SEND C 3. MECHAI	FILLED OUT BY DRIVER WHEN COPY TO MAINTENANCE DEPART NIC TO FILL OUT AND SEND TO COMPLETED COPY TO BILLING.	TMENT.	DATE7/	27/95
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Rev. 5/25/94

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ITACT PER	SON	72		PHONE NUMBER (20) 77		
TOMER SIT	re Contractor		SITEINT	CONTACT PERSON		
ATION	ENSA LUDI,	~ T	(TRL		PHONE NUMBER (20) 779-	235
CYL #	GAS ID	UNI	CYL. SIZE	CATEGORY	COMMENTS	SALE PR
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CATEGOR	ILES: "1" - SUPER	CRITICAL 2	- REACTIVE &/OR	POISON 3 - FL	AMMABLE &/OR INERT	
51	200			00 gs	200 · 7/2	7/95

CUSTOMER

age los

#### e. U.S. Steel Industrial Park, Fairless Hills, Pa. 19030

#### IN THE EVENT OF FIRE, SPILL.

OR RELEASE, CONTACT

1-800-641-4357

TRUCK 5254	TRAILER	LOC ATIO		1	Edumo COMEN	7/17/1
1/M	Product Ship		HMID	HMID	Special Provisions	QT
WIN.	Product ship	bild warne	Class	UN	Speciel Florisions	1 3.
×	Acetylone, Disselved	<del></del>	2.1	1001		2
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	Carbon Diezide		2.2	1013		
	Carbon Dioxide/Reiniger	reled 1 Jould	2.2	2187		
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	Chierine RO		2.3		Polson inhelation-Hozard Zono "B"	
	Hellum, Compressed		2.2	1046		
	Hellum, Refrigerated Lie	quid	2.2	1963		
	Hydrogen, Compressed		2.1	1049.	_	
	Methene, Compressed	<del></del>	2.1	1971		
M	Mitrogen, Compressed	<del></del>	2.2	1066		
	Nivegen, Refrigerated		2.2	1977	<u> </u>	
	Nitroue Oxide, Compre		2.2	1070		
¥.	Oxygen, Compressed		2.2	1072		<del></del>
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X	Propone		2.1	1978		
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	Bullur Hexallueride		2.2		والمراجع الأراجي والمراجع والمراجع المراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع	
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i	Oxide Mixture w < 12	•				· 1
	Hydrogon Chloride, A		2.3	1050	Poison Inhelation-Hazard Zone "D"	1
	Krypton, Compresse		2.2			

\*2.1 • Flammable Gas 2.2 • Non• Flammable Gas 2.3 • Poison Gas

This is to certify that the above named materials are properly classified, described, peckaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Robert J. Lomicky,

By: Plant Manager

MG Industries

One Steel Road East Morrieville, PA 18087 218-736-5200 Fax 216-736-6240

# MG INDUSTRIES

CONTRACTOR: ENSA

CONTACT: RICK SMAIL

PHONE: 201-779-7809

FAX: 201-779-5394

COMPANY: NAPP (DIRECT BILL)

QUOTE #: 072795A

ACCOUNT #: 53766

PO#: 18185 DATE: 07/27/95

(QUOTATION VALID FOR 90 DAYS)

MG industries is pleased to offer you the following quotation for the purchase and remediation of your compressed gas cylinders.

(Please see the attachment for the description of cylinder contents)

TOTAL FOR CYLINDER REMEDIATION (KNOWN CONTENTS):

\$1,270.00

CYLINDER UTILIZATION CERTIFICATE:

\$40.00

TRANSPORTATION (MG TRUCK):

\$200,00

GAS SPECIALIST LABOR (2 PERSONS @ \$50' HR):

\$100,00

TOTAL: \$1,610.00

NO CHARGE FOR SHIPPING LABELS, MANIFESTS, INSTRUCTIONS

MG INDUSTRIES WILL PICK UP THE CYLINDERS AND PREPARE THE CYLINDERS FOR SHIPMENT. THIS OPTION REQUIRES MG TECHNICIANS AND ANY APPLICABLE EXPENSES, WHICH ARE NOTED.



#### Special Handling Charges

MG industries does not accept cylinders with known stuck valves, however, should a stuck valve be discovered on an already accepted cylinder, a special hendling charge of \$200,00 per valve would be applied. Stuck cape can be removed for a charge of \$75.00 per cap.

#### Unknown Cylinders

A site survey is required when determining which unknown cylinders MG industries will accept for sampling. The site survey is discounted if the inspection is coordinated with a known cylinder survey or pick-up.

MO industries reserves the right to choose which unknown cylinders to accept for analysis.

A Certificate of Analysis will be provided upon request, for unknown cylinders successfully analyzed.

MG industries will determine, after analysis, which unknown cylinders can be accepted for remediation. An additional quotation for these cylinders will be provided with a 10% discount applied to current remediation prices.

#### All Cylinders

All cylinders not accepted for remediation will be returned at contractor's expense.

This quotation is made contingent upon 1.) the cylinders meeting DOT visual inspection criteria and the contents being known, and 2.) the cylinders being of a non-disposable type, i.e. refliable. The cylinder and its valve must be in good operating condition. Neither the cylinder, its valve, nor the cylinder contents may show any indication of radioactive contamination. MG industries reserves the right, in its sole and final judgement, not to purchase or sample any cylinder falling to meet the criteria set forth above.

MG Industries will provide a Bill of Sale to be completed by ENSA.

This Bill of Sale will allow MG industries to take title to the cylinders upon acceptance at MG industries' Fairless Hills, PA facility.

Thank you for your interest in MG industries' Cylinder Remediation Services. Please contact me for any additional information you may need. I look forward to working with you.

Joel A. Todaro

Sincered

µoei A. Todaro Product Manager Cylinder Remediation



### Description of Cylinder Contents and Current Pricing

FLAMMABLES	1 \$128	\$160	\$200	\$250	
ACETYLENE (+ \$50/ CYL)	17.07	+ - 127	1 1	1	\$550
1,3 BUTADIENE	+	1	<del> '</del>	1	9550
N-BUTANE	+	<del> </del>	<del> </del>	<del>                                     </del>	
1-BUTENE	-	<del></del>	<del> </del>	+	
CIS-2-BUTENE	<del></del>	<del> </del>	<del> </del> -	+	
CYCLOPROPANE	+	<del> </del>	+	<del> </del>	
DEUTERIUM	+		<del>                                     </del>	+	·····
2,2 DIMETHYLPROPANE	+	<del> </del>	<del> </del>		
ETHANE	+	<del> </del>	┼	-	
	<del></del>	<del> </del>	╂──	<del> </del>	
ETHYLACETYLENE	<del></del>		<del> </del>	<del> </del>	
ETHYLENE	<del></del>	<del> </del>	<del>↓</del>	<del>↓</del>	
HYDROGEN	<del></del>	<del></del>	<del> </del>	<del> </del>	
ISOBUTANE	<del></del>	<del> </del>	<del> </del>		
ISOBUTYLENE	<del> </del>	<del> </del>	<del></del>	<del> </del> -	
METHANE	<del></del>	<del> </del>	<del>  </del>	ļ	
METHYLACETYLENE	<del></del>	<del> </del>	<del> </del>	-	
3-METHYL-1-BUTENE	<del></del>	<b></b>	<del>  </del>		
PROPADIENE	4	<b>↓</b>	4	<del>                                     </del>	
PROPANE		<b></b>	1		\$200
PROPYLENE		<u> </u>	<u> </u>		
TRANS-2-BUTENE		1	<u> </u>		
VINYL METHYL ETHER		<u> </u>	<u> </u>		
INERTS	8100	\$110	\$120	\$140	
AIR	1		<u> </u>	1	\$240
ARGON	<u> </u>		<b></b>		
CARBON DIOXIDE			<u> </u>		
HELIUM	<u> </u>	<u> </u>			
KRYPTON	ļ		<u> </u>		
NEON		<u> </u>	<u></u>		
NITROGEN	<u>.L</u>	L		1_1_	\$140
NITROUS OXIDE					
OCTAFLUOROCYCLOBUTANE					
OXYGEN				1	\$140
PERFLUOROPROPANE			}		
BULFUR HEXAFLUORIDE	I		I		
XENON	T				
HALOCARBONS	\$200	1270	\$340	8400	
R-11					
R-13	1				
R-13B1	ľ		Ī		
R-14	Ī		1		
R-23	1				
R-113					
R-114					
R-115	<del> </del>				
R-116					
77-77-	<del>                                     </del>			·	
				——— <u>f</u>	
TOTAL FO	r Cylir	DER RI	EMEDIA	TION:	\$1,270

### Description of Cylinder Contents and Current Pricing

	P	RICE P	RCYL	NDER	
	LB	8M	MED		
BUPERCRITICAL	1300	\$378	\$808	\$878	TOTALS
BORON TRICHLORIDE		<b></b>	<u> </u>	ļ <u>.</u>	
BORON TRIFLUORIDE	<del> </del>	<u> </u>	1	<u> </u>	
CYANOGEN	<u> </u>		ļ	1	
DIBORANE	1		ļ		
GERMANE	ļ	ļ	L		
PHOSGENE	<u> </u>	<b></b>	<u> </u>	<u> </u>	
PHOSPHINE	ļ			ļ	
	<u> </u>			ļ	
BILANES	\$250	\$290	1696	3045	
DICHLOROSILANE	<del> </del>	ļ	<del>                                     </del>	<b> </b>	
SILANE	<b></b>	ļ	<b></b>		
DIMETHYLDIFLUOROSILANE	<del> </del>	<b></b>	ļ		
DIMETHYLSILANE	<del> </del>		<u> </u>		
METHYL SILANE	<del> </del>		ļ	ļ	
METHYL TRIFLUOROSILANE	ļ	ļ		<u> </u>	
TRIMETHYLSILANE	-	L	<b> </b>	ļ	
MONOCHLOROSILANE	ļ		<b> </b>	ļ	
SILICON TETRACHLORIDE		ļ		ļ	
SILICON TETRAFLUORIDE	ļ		ļ	ļ	
TRIMETHYLFLUOROSILANE	<b> </b>		<b> </b>		
TRIMETHYLSILANE	1	<u> </u>	ļ		
FLAMMABLE POISONS	\$230	\$276	\$410	\$740	
CARBONYL SULFIDE	<b></b>		ļ		
ETHYL CHLORIDE					
HYDROGEN SULFIDE	ļ	_	<u> </u>		
METHYL BROMIDE	ļ				
METHYL CHLORIDE	<del> </del>	ļ	<b></b>		
METHYL MERCAPTAN	-	<b></b>			
MONOMETHYLAMINE	<b></b>				
DIMETHYLAMINE	<b></b>	ļ		-	
TRIMETHYLAMINE	-	ļ		-	
	0.150	0000	2000		
REACTIVE POISONS	3160	1230	1326	3460	
AMMONIA	<del> </del>	-	<del> </del>	1	
CARBON MONOXIDE			1	1	
	<del>                                     </del>	<del> </del>	<del> </del>		
CHLORINE					
CHLORINE ETHYLENE OXIDE					
CHLORINE ETHYLENE OXIDE HYDROGEN CHLORIDE					
CHLORINE ETHYLENE OXIDE HYDROGEN CHLORIDE NITRIC OXIDE					
CHLORINE ETHYLENE OXIDE HYDROGEN CHLORIDE NITRIC OXIDE NITROGEN DIOXIDE					
CHLORINE ETHYLENE OXIDE HYDROGEN CHLORIDE NITRIC OXIDE					
CHLORINE ETHYLENE OXIDE HYDROGEN CHLORIDE NITRIC OXIDE NITROGEN DIOXIDE SULFUR DIOXIDE					
CHLORINE ETHYLENE OXIDE HYDROGEN CHLORIDE NITRIC OXIDE NITROGEN DIOXIDE SULFUR DIOXIDE REFRIGERANTS	\$140	\$200	8290	\$120	
CHLORINE ETHYLENE OXIDE HYDROGEN CHLORIDE NITRIC OXIDE NITROGEN DIOXIDE SULFUR DIOXIDE REFRIGERANTS R-12	\$140	\$200	\$280	\$120	
CHLORINE ETHYLENE OXIDE HYDROGEN CHLORIDE NITRIC OXIDE NITROGEN DIOXIDE SULFUR DIOXIDE REFRIGERANTS	\$140	1200	\$200	\$320	

	gition for	ne below-named materials are properly classified, described, transportation according to the applicable regulations of the STRAIGHT BILL O	e Department of Trans	oportation. ORIGINAL — NO	T NEGOTIABLE	Carrier N Date	
gnee	НУ	DROTECH CHEMICAL  Delivery shipments, the letters "COD" must appear before		FROM: NAP	PCHEN	IICAL	
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nation	PA	TERSON NJ Zip Cod	<u>le</u>	Origin LOD	1, NJ		Zip Code
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o. ping its	# HM	Kind of Packaging, Descr Special Marks and	iption of Articles. Exceptions		Weight (Subject to Correction	RA	TE CHARGES
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ESS ote—1 ically i te agn r to be ECEIV	ED, subject of the peckage of the pe	C.O.D. Amt: s rate is dependent on value, shippers are required to sta the agreed or declared value of the property, lared value of the property is hereby specifically stated by t eding  ct to the classifications and tariffs in effect on the date of the re unknown), marked, consigned, and destined as indicated a roperty under the contract) agrees to carry to its usual place sech carrier of all or any of, said property overall or any port or shalf be subject to all the bill of lading terms and conditio rtifies that he is familiar with all the bill of lading terms and	ate delivered to the consignor shall the carrie payment of tree bove which said carrie of delivery at said oin of said route to dens in the governing c.	C.O.D. FEE: PREPAID COLLECT CO	rise on the consignor nent. of this shipment will phor) ed above in apparent inderstood throughout therwise to deliver to arty at any time inter of shipment.	CHARGES  o be the thout FREIGHT except whe at right is checked  t good order, excep ti this contract as r o another carrier or ested in all or any of	FREIGHT CHARGES  PREPAID Check Box if Charges are to the Charges are to the Collect that are noted (contents and conditional contents are corporated). The route to said destination, said property, that every service.

Generator Name: TNAPP3CHE-1:CALS INC. Generator EPA ID Number NJD001315282
Generator Name: NAPP3CHELICALS INC. Generator EPA ID Number NJD001315282
Minifest Number Comment William Comment of the Comm
Manifest Number and Assessment of the Assessment
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The purpose of this form is a provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR
Part 268, to the treatment, storage or capocal facility which receives the wastes referenced below. In accordance with the waste analysis and recordance
requirements specified in 40 CFR 268.7.1 have indicated below the relevant information required to properly manage my waste(s) in compliance with the

Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

la Approval/Lab Code: AD38234

Waste Vater: Y Non Waste Vater: Y LIHC's: Y Class Group: A

Waste Codes: F003 D001

Sub Categories:

F003/F005 ONLY CONTAIN CARBON DISHLFIDE, CYCLOHEXANONE, 'OR METHANOL

HIGH TOC IGNITABLE CHARACTERISTIE LIQUIDS

Constituent(s):

**METHANOL** 

11b Approval/Lab Code: WD38236 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D002

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information [ submitted herein is true, accurate and complete

Signature: \_\_\_\_\_\_\_Tit

Date

7/28/95

Republic Environmental Systems, Inc.

DCN (01-204-F017) Rev. 0 12/95

WASTE MANIFESTs to in it is in the property of	M-51 REV. 1094	OFFIC	IAC PENNSYLVAI	NIA MANIFEST F	t tagiir.		rad halpatta i	نانه سمد.	Expres & 30 pt
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Additional Description for Manning Later Appeals and Additional Information  Reg. WASTE ALCOHOLS, N.O.S., 3, UNIS67, PG II,  (METHANOL, ISOPROPAL ALCOHOL), (F003) *  RG. WASTE ALCOHOLS, N.O.S., 3, UNIS67, PG II,  (METHANOL, ISOPROPAL ALCOHOL), (F003) *  RG. WASTE CAUSTIC ALCOHOL), (F003) *  RG. WA	· ·			10. US EPA ID Number			<del></del>		
LID DET Description (Pericating Proper Shipping Anna, Nazard Class, and 20 Number)  RQ WASTE ALCOHOLS, N.O.S., 3, UN1987, PG III, (METHANOL, ISOPROPAL ALCOHOL), (F003) *  RQ WASTE ALCOHOLS, N.O.S., 3, UN1987, PG III, (METHANOL, ISOPROPAL ALCOHOL), (F003) *  RQ WASTE CAUSTIC ALKALT LIQUID, N.O.S., 6, UN1719,  NON DOT/RCRA HAZ SOLID, NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT/RCRA HAZ SOLIDA NOT DOT REGULATED  NON DOT REGULATE	<b>~</b> ·	Æ	I P A D:O	85690		H. Facil	<del></del>	<del></del>	
METHANOL, ISOPROPAL ALCOHOL ), (FOO3) *  RG_WASTS_CAUSTIC_ALCOLT_LIGUID, N.O.S., 0, W11719, PC_III, (5501ten HYDROKIDE_), (6002)  NON DOT/RCRA HAZ_SOLID, NOT DOT REGULATED  NON DOT/RCRA HAZ_SOLID, NOT DOT REGULATED  Additional Descriptions for Materials Listed Above  Lab Pack Physical State  Lab	. US DOT Description (Including Proper	Shipping Name, Hazard	Class, and ID Number)				Total	Unit	Waste No
Additional Descriptions for Naterials Listed Above Lab Peck Physical State Lab Peck Lab Peck Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck Physical State Lab Peck				•	XXXI	D M	XXXI	5 6	F 0 0
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Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack Physical State AD38234 S.J. AD38884 S.D.J. S.D.J.  Special Handling Instructions and Additional Information  EMERGENCY PHONE 201 P.J. 46  Special Handling Instructions and Additional Information  EMERGENCY PHONE 201 P.J. 46  Special Handling Instructions and Additional Information  EMERGENCY PHONE 201 P.J. 46  Special Handling Instructions and Additional Information  EMERGENCY PHONE 201 P.J. 46  Special Handling Instructions and Additional Information  EMERGENCY PHONE 201 P.J. 46  Special Handling Instructions and Additional Information  EMERGENCY PHONE 201 P.J. 46  I am a large quantity generation, contrib that in laws a programmy in place to recipite the surface and amendmentation and engineering government regulations. If I am a small quantity generator, in the surface and an expectable instructions to the despite the surface of the place of the surfac	NON DOT/RCRA HAZ SO	OLID, NOT DOT	REGULATED		AM	DM	XXXX	A G	000
Additional Descriptions for Materials Listed Above  Lab Peck Physical State  Lab Peck Physical State  AD38234					XXX2	DM	XXXX	0 P	N / A
Lab Pack Physical State  AD38234									
Special Handling instructions and Additional information  EMERGENCY PHONE 20/093-49  ITA- D001  EMERGENCY PHONE 20/093-49  GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am is large quantity generator, I certify that I have a program in place to reduce the volume and fact I have besided the practicable marked of the seminary. Service, or disposal currently evaluations the presented to the degree I have determined to be econoperational that I have besided the practicable marked of the seminary. The proper degree is a small quantity generator, I have made a good faint effort to maintains my waste generation and select the best waste management method that is at the proper degree.  Figure 1 Autorectionment of Recital of Majorities.  Signatury  MONTH DAY  Institute  MONTH DAY	·	ed Above	Lab Pack	Physical State		K. Handi	ing Codes for Waste	s Listed Abo	ve
Special Handling Instructions and Additional Information  EMERGENCY PHONE 201 PHONE 20	L L AD3	38234	<u> </u>	LSI_AD38	884	<u> </u>	1	e SO	<u>L</u>
I TALL DOOL  S. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shapping name and are classified, packed, married and labeled and are in all respects in proper condition for prespect by highway according to a possible in terminal government and sufficient produced and are in all respects in proper condition for prespect by highway according to a possible in terminal government and sufficient produced and are in all respects in proper condition to the prespect by this was present and future and a present and future three the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize may sufficient and elect the best waste management method that is an one and that I can afford.  I respect 1 Advanced part of Receipt of Receipt of Marries  Figure 1. Advanced part of Receipt of Marries  Signature  MONTH DAY  Increaser's 1 Advanced part of Receipt of Marries  Signature  MONTH DAY  Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Rem 18.  Printed/Typed Name  Signature  Signature  MONTH DAY  I may be a second of the proper of the pr			4			b. S0	1	d	
to me and that I can efford.    Prince	11A- D001				EM	ERGEN	ICY PHONE	201 (F	43-49
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H GAZOASKI  Torrisporter 1 Autororiospament of Receipt	to me and that I can afford.	practicable method of uantity generator, I have	transment, storage, or made a good faith of	disposal currently averaged fort to minimize my w	allable to me which raste generation an	minimize d select t	s the present and fi ne best waste many	Genera mer	had that is a
Printed/Typed Name    Signature   Acknowledgement of Ricelyl of Marieta	HI GAZDA	ski	:	XUI	land	1	li.	10.7	1281
Discrepancy Indication Space  Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Rem 18.  Printed/Typed Name  Signature  MONTH DAY  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		15		Signature .	2	·/	•	MONTH.	201
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(PA) 395043 1/1	•		-, , <b>-</b>		i		87749	0470	

#### = ENXINGNMENIAL B/L Number 395043 1/1 \*EPA IDENTIFICATION CODE NO. N.JD001315282 DATE OF PICKUP GENERATOR NAPP CHEMICAL ADDRESS 199 MAIN STREET -LODI 07644 '201 '843<del>-'</del>466 TACT: BOB LOEWENSTEIN **BROKER**: US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste Quantity Wt.Vol No. Туре a. RQ WASTE ALCOHOLS, N.O.S., 3.UN1987.PG II (NETHANOL, ISOPROPAL ALCOHOL.) 🚎 RO WASTE CAUSTIC ALKALL LIQUID. N.O.S., B. JM1719, PG TII (SODIUM NYDROXIDE-)-D 0 0 c. NON DOT/RCRA HAZ SOLID NOT DOT REGULATED d. Emergency Phone# Additional Information/Lab Code AD38884 **S01** AD38234 **S01 S01** WD38236 SPECIAL INSTRUCTIONS / REASONS FOR DELAY. CONTRACT/PO NO. NO. OF OVERPACKS USED ARRIVAL AT CUSTOMER TEPARTED CUSTOMER \_AY TIME GENERATOR CERTIFICATION: "I hereby delicare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable injergiational angli national aggregate governmental regulations." I also certify that all times listed bove Signature Print Name Date TRAILER# **BOX SPOTTED# BOX PICKED UP#** LINER **TRACTOR #** 215 822-8995 PHONE NUMBER TRANSPORTER #1 SYS PAQ085690592 SIGNATURE DATE PRINT NAME 215 822-2676 PHONE NUMBER TRANSPORTER #2 EPA ID NO. PAD982661381 REPUBLIC ENV SYS (TRANS GROUP) COMPANY SIGNATURE DATE **PRINT NAME** REASON FOR DELAY **TSDF ARRIVAL TIME TSDF DEPARTURE TIME DELAY TIME**

White - GENERATOR FILE Blue - TRANSPORTER FILE Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

CITY HATFIELD

*IINT NAME* 

CONSIGNED TO REPUBLIC ENV SYS (PA), INC.

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO.

IS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

\_ STATE PA

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR) Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

ADDRESS

ZIP <u>19440</u>

PAD085690592

2869 SANDSTONE DRIVE

PHONE 215 822-8995

Goldenrod - TSD FACILITY COPY

SIGNATURE

DCN: 0 Rev. 6/

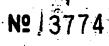
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Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
Goldenrod - TSD FACILITY COPY

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S. Transporter 1 Company Name  REPUBLIC ENV. SYS. (PA)	PST SM P A POTATOR	0.856905		⇒P/	A-AH		2 0 0
7. Transporter 2 Company Name	- · · · · ·	8. US EPA 10 Number -	56 a 36, 10 1		sporter's Phone (	215	22-899
REPUBLIC ENV-SYS (TRANS 1. Designated Facility Name and Site Address	GROUP) PADI	9 8 2-6-6 1 3	81	1	A AH	E NA	i Herryson i Herry
REPUBLIC ENV SYS (PA)	INC.	e comment of the first			sporter's Phone (		
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HATFIELD PA 19440		0.8 5 6 9 0:5	12 Conta		13.	215 822-	Weste
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J. Additional Descriptions for Materials Listed Above Lab Pack Physical State	Lab Pack	Physical State		K. Handi	ling Codes for Wa	stes Listed Abo	Ve
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15. Special Handling Instructions and Additional Info			<del></del>	10.	······································	10.	
			Er·	ÆRGE!	NCY PHONE	20/6	43-
16. GENERATOR'S CERTIFICATION: classified, packed, marked and labeled and are if i am a large quantity generator, i certify.	I hereby declare that the contents	of this consignment are full for transport by highway ac	ly and accurately	y describe	d above by prope	r shipping nam	e and are
the environment; OR, if I am a small quantity g to me and that I can afford.	enerator, i nave trace a good talli	Standards (1)	L CONTROLLE CONTROL	1		MON'S	DAY
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17, Transporter 1 Acknowledgement of Receipt of Materials  Reinhod/Typed Name		Signature //	0			монт	AY'A
JOHN ILB		Som	- 07	M	<u> </u>	10.	MY P
18 Trintporter 2 Actnowledgement of Receipt of Meterials Printed/Typed Name		Signature	<del></del>		<del></del>	MONTI	DAY
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11. Discrepancy moleculor spece			<b>)</b> .	4 ,	•		•
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20. Facility owner or Operator: Certification of recei	pt of hazardous materials covered	by this manifest except as n	roted in item 19.			MONT	H DAY
Printed/Typed Name		: Green					
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Copy 3 - Generator: Mail to Destination State





containers.

## United Cooperage

CORPORATION

P.O. Box 22 Berlin, NJ 08009 (609) 767-6644 1-800-775-6645 Fox (609) 768-9747

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regulations, 40 CFR Department of Trans	these drums are "empty" as that term is defined in the Natio 261.7*, and that they have been properly prepared for transportsportation, 49 CFR 173.29.**	na! Environmenta tation under the re	Protection Agenc gulations of the U.
Print Name <u>UQ</u>	Pura.		
"A container. dis e (I) All wastes have from that type	it regulated residues, EPA's 10 CFR 261.7 says: empty if: re been removed that can be removed using the practices come of container, e.g., pouring, pumping, and aspirating.	nmonly employed	to remove materia
EPA has explained to container only if it container only if it container extremely visc	n 2.5 centimeters (one inch) of residue remain on the bottom of the same of the continue of the continue of the continue of the container even after the container even aft	constraint and may vision is that there ontainer is emptied	y remain in an emp are certain tars ar d by normal means
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*DOTs 49 CFR 173	.29 says that all openings on the empty container must be closed frum were full of its original contents. A DOT shipping paper is no is contract or private motor carrier. DOT placarding is not (	ot required for tran	sportation of a dru

"DEALER IN STEEL DRUMS"

877490474



## RESOURCE CONSERVATION CORP

SHADE TOWNSHIP-WASTE MANAGEMENT FACILIT

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc. d.

#### SPECIAL HANDLING MUNICIPAL WASTE

25

RCC 50024	WASIE GENER	ATOR	A TANK
NAME: NAPP CHEMICALS INC.		XXIVER	XXX29
ADDRESS: 199 MAIN STREET	LODI	ŊJ	07644
ADDRESS:	. city	state	zip
LOCATION: SAME			anganak. L <u>ahu</u>
TELEPHONE: (201)773-3900	co	NTACT BOB LOWENSTRIN	_
			· · · · · · · · · · · · · · · · · · ·
В	ROKER/AGENT OF (	GENERATOR	
			•
NAME: REPUBLIC ENV SYS (F	PA), INC.		·
ADDRESS: 2869 SANDSTONE		)PA	19440
·	city	state	zip
TELEPHONE: (215)822-2676	co	NTACT ROSS SNOOK	
ATABATE DESTROYTO PART CREE (MC	ANE COMID! THE	,	
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ADDRESS: 21 CHURCH ROAD	HATFIELI city	PA state 170	1944 02291 <sup>zi</sup> l
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DATE: 8-22-95 TR	HATFIELL city  LUCK # 12  Bowne  DISPOSAL FAC	state LICENSE #	1944 2229   <sup>zi</sup>
DATE: 8-22-95 TR	HATFIELL city  LUCK # 12  Bowne  DISPOSAL FAC	LICENSE #	1944 2229   <sup>21</sup> 1 14677
ADDRESS: 21 CHIRCH ROAD  DATE: 8-22-95 TR  DRIVER SIGNATURE: ROAD  NAME: RESOURCE CONSE	HATFIELL city  LUCK # 12  Bowne  DISPOSAL FAC	state LICENSE #	
ADDRESS: 21 CHIRCH ROAD  DATE: 8-22-95 TR  DRIVER SIGNATURE: RESOURCE CONSE  RECEIVED BY:  Operator's Certification: I hereby decl	HATFIELL city  LUCK # 12  DISPOSAL FACE  ERVATION CORP.	LICENSE # PERMIT #	101421
ADDRESS: 21 CHIRCH ROAD  DATE: 8-22-95 TR  DRIVER SIGNATURE: Coff  NAME: RESOURCE CONSE  RECEIVED BY:  Operator's Certification: I hereby declaration by proper shipping name and as	DISPOSAL FACE RVATION CORP.	LICENSE # PERMIT # this consignment are fully and irked, and labeled, and are in a	101421  accurately describe
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## 2337 North Penn Rd Hatfield, Pa 19440

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FACT: BUB LUCK	FU2   C714		BROKI	H:	Conta	iner		-	, T	
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ENERATOR CERTIFICATION hereby delcare that the conseled/placarded, and are in times listed above are true int Name  LACTOR #  LANSPORTER #1  DIANT NAME  LANSPORTER #2	TRAILERS  IC ENV. SYS  Bowers	r condition for train	Signature BOX SPOTTED  SIGNATUR	policate nterr	BOX PHON EPA ID	PICKED LE NUMBE	Date  JP#  215  PAD085690	LINE 822-89 0592 DATE 822-26	22 995	-23-1
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## RESOURCE CONSERVATION CURP. LODI ADDRESS: city SAME LOCATION: BOB LOWENSTEIN ---(201)773-3900 TELEPHONE: CONTACT BROKER/AGENT OF GENERATOR REPUBLIC ENV SYS (PA), INC. NAME: HATFIELD PA 19440 2869 SANDSTONE DRIVE ADDRESS: zip city state TELEPHONE: (215)822-2676 ROSS SNOOK CONTACT TRANSPORTER OF WASTE REPUBLIC ENV SYS (TRANS GROUP), INC. 19440 PA HATFIELD CHURCH ROAD **ADDRESS** state DATE: DISPOSAL FACILITY **RECEIVED BY:** Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations

Operator's Signature

disional information/Lab Code  DS38449 RSS-S0024  d  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO NO.  INTRACTIPO CUSTOMER  INTRACT CUSTOMER		FICATION CODE NO NUL	000131	15282		<u>,</u>		
LODI TACT. BOB LOCKENSTEIN  BROKER  US DOT Description (Including Proper Shipping Name Hazard Claims, and ID Number)  NO. Type  Total  WANG.  Wash  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X. Y.O. Y.J. N. /  A D. T.X.X. Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X. Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X. Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X. Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X. Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X. Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X. Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X. Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X. Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X. Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X. Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT/RCRA NAZ DEBRIS NOT DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT REGULATED  XX.1 D.T.X.X.X.Y.O. Y.J. N. /  NON DOT REGULATED  XX.1 D.T.X.X.Y.O. Y.J. N. /  NON DOT REGULATED  XX.1 D.T.X.X.Y.O. Y.J. N. /  NON DOT REGULATED  XX.1 D.T.X.X.Y.O. Y.J. N. /  NON DOT REGULATED  XX.1 D.T.X.X.Y.O. Y.J. N. /  NON DOT REGULATED  XX.1 D.T.X.X.Y.O. Y.J. N. /  NON	SERATOR NAPP CHEMICALS INC	ADD.	RESS	199 MA	IN STR	EET		
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DS38449 RSS-S0024  d  NTRACT/PO NO. D. OF OVERPACKS USED ART TIME RIVAL AT CUSTOMER PARTED CUSTOMER LAY TIME NERATOR CERTIFICATION: Interesty debare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and detectioplacands and are in all respects in proper condition for transport according 03 applicable filternational and retional governmental regulations." I also certify the times listed above any rue and correct. Signature  Date  8/22/95  ACTOR 8 3 46  TRAILERS 20 80  BOX SPOTTEDS  BOX PICKED UPS  LINER PHONE NUMBER 215 822-8995  PHONE NUMBER 215 822-8995  EDA ID NO. PAD085690592  HINT NAME  SIGNATURE  PHONE NUMBER 215 822-2676  PHONE NUMBER 215 822-2676  EPA ID NO. PAD082661381  REPUBLIC ENV SYS (TRANS GROUP)  REPUBLIC ENV SYS (TRANS GROUP)  REPUBLIC ENV SYS (TRANS GROUP)  REPUBLIC ENV SYS (TRANS GROUP)  REPUBLIC ENV SYS (TRANS GROUP)  REPUBLIC ENV SYS (TRANS GROUP)  REPAID NO. PAD082661381  REASON FOR DELAY  PHONE NUMBER 215 822-2676  EPA ID NO. PAD082661381  REASON FOR DELAY  REPUBLIC ENV SYS (TRANS GROUP)				1.1				-
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NISIGNED TO RESOURCE CONSERVATION CORP.  ADDRESS SHADE TOWNSHIP WASTE NGT. FAC.  PHONE 814 754-4587	PREPUBLIC ENV. SYS. (PA)  ANSPORTER #1  ANSPORTER #2  ANSP	SIGNATURE	Jara DOE NO.	BOX PHON EPA ID PHON EPA ID	PICKED I IE NUMBE NO	Date  Date  JPs  215 822  PAD085690592  PAD982661381	8/22 LINER 2-8995 DATE 8 2-2676 DATE	295

No - GENERATOR FILE No - TRANSPORTER FILE NO - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR).
Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
Goldenrod - TSD FACILITY COPY

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## RESOURCE CONSERVATION CORP. SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid American Waste Systems of PASIS

	ASTE GENE	RATOR		
RCC 50024				
NAME MAPP CERMICALS INC.				
ADDRESS: 199 MAIN STREET	LODI		NJ	07644
	city		state	zip
LOCATION: SAME	· · · · · · · · · · · · · · · · · · ·			
TELEPHONE: (201)773-3900	C	ONTACT BOB	LOWENSTE	IN
BROKER	/AGENT OF	GENERATOR	-	
DETERMINE TO THE COLUMN TWO	_	•	•	•
NAME: REPUBLIC ENV SYS (PA), IN				<del></del>
ADDRESS: 2869 SANDSTONE DRIVE		D	PA	<u>19440</u>
•	city		state	zip
TELEPHONE: (215)822-2676	C	ONTACT _ROS	S_SNOOK_	
				<u>.</u>
TRAN	SPORTER (	F WASTE		
		•	• :	• • •
NAME: REPUBLIC ENV SYS (TRANS GR	OUP), INC.		· · · · · · · · · · · · · · · · · · ·	<u> </u>
ADDRESS: 21 CHURCH ROAD	HATFIEL	ם	PA	19440
•	city		state	zip
DATE: #-22-90 TRUCK#		LIC	ense # QA	10 P3291L
DRIVER SIGNATURE John My	<u> </u>	· War to the state of		
DI	SPOSAL FA	CILITY		
NAME: RESOURCE CONSERVAT	ION CORI			
RECEIVED BY:			> PERMI	T# 101421
Operator's Certification: I hereby declare that	the contents o	this consignmen	it are fully a	nd accurately described
above by proper shipping name and are classif	ied, packed, n	narked, and label	ed, and are	in all respects in proper
condition for transport by highway according	to applicable	international and	governmen	t regulations.
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#### .2337::North Penn Rd #Hatfield, Pa 19440

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LODI	STATE NJ		07/	44 DUME	201 8	43-4664
TACT: BOB LOEWENSTEIN	BROKER:			FRONE .		
		Conta	iners	Total	Unit	MA
US DOT Description (Including Proper Shipping Nam	<u> </u>	No.	Туре	Quantity	Wt.Vol.	Waste No
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PARTED CUSTOMER		•		/ /		
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ACTOR # 56 TRAILER# 2//D	BOX SPOTTED#	BOX	PICKED L		INER	/
NSPORTER #1		PHON	E NUMBE	R 215 822	<u>-8995</u>	
MPANY REPUBLIC ENV. SYS. (PA)		EPA ID	NO. F	AD085690592		
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NT NAME TORA 1742YKD	\	<b>7</b>	7			202
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MPANY REPUBLIC ENV SYS (TRANS  NT NAME  OF ARRIVAL TIME	S GROUP) SIGNATURE		•	AD982661381	-2676	* 22·
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MPANY REPUBLIC ENV SYS (TRANS  NT NAME  OF ARRIVAL TIME  OF DEPARTURE TIME  LAY TIME  ISH TIME  INSIGNEE/TREATMENT/STORAGE/DISPOSAL FACIL  NSIGNED TO RESOURCE CONSERVATION COR	S GROUP)  SIGNATURE  REASON FOR DELAY  LITY EPA IDENTIFICATION CODE NO P. ADDRESS	EPA ID	NO	AD982661381	-2676 DATE _	
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DCN: 01-206-FC Rev. 6/95

## REPUBLIC ENVIRONMENTAL SYSTEMS

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DATE OF PICKUP STATE EPA IDENTIF	ICATION CODE NO.2	NJD00131	5282 99 MA	IN STRE	ET >-	-, ,	
CONTACT: BOB LOEWENSTEIN	STA		ŽI	P <u>0764</u>	4 : PHONE .	201 8	<u>43-466</u>
US DOT Description (Including Proper Shipping Name, H		1	Conta	Type	Total Quantity	Unit WL/Val.	Waste
a NON DOT/RCRA HAZ LIQUID NOT DOT REGULA	TED :	•	77.5	****		- A	e e e e e e e e e e e e e e e e e e e
			12	DM	660	6	N/A
NON DOT/RCRA HAZ L	iovid		2	Dm	85	6	N/A
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<b>d.</b>					•		
Additional Information/Lab Code a WD38178 S01	c	. <del> </del>	Eme	gency Phone	**		
LP38366	ď	•	-	• *			
CONTRACT/PO NO.	SPECIAL INSTRUCT	IONS / REASON	NS FOR D	ELAY			·
OF OVERPACKS USED 200 Rm		· ·	·				
ARRIVAL AT CUSTOMER 245 Pm							
DEPARTED CUSTOMER 400 Rm				•			
GENERATOR CERTIFICATION: "I hereby delcare that the contents of this consignment are fully a							
labeled/placarded, and are in all respects in proper condition for the last times listed above are true and correct.  Print Name KURT FORWAYS TO IN	transport according to a	policable interna	itional and	national gov	ernmental regulation	18."   elso   <b>  9   9</b>	certify that
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TRANSPORTER #1				IE NUMBER	, all property and the second		
COMPANY REPUBLIC EW. SYS. (PA)	<u> </u>	<b>D</b> .	EPA	NO. PI	10085690592 1-0 20		Jak
PRINT NAME David (141 CS1200)	SIGNATUT	E TOO	<u>د ر.</u>	LNEX.	3/10459	<u> </u>	201717
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MATERIA STATE	ITE PA	ADDRESS _ ZP 19440			E DRIVE ***		5 4 45
TO DESTREY THE ACCEPTANCE OF THIS WASTE FO				THONE S		4.	
- PRINT NAME	SIGNATURE			Se 1964		_ DATE	<u> </u>

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	b. LLY38366		:e [_]	<u>     L</u>			<b>b.</b>		·•	
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10	GENERATOR'S CERTIFICATION: I he classified, packed, marked and labeled and are in a lift arm a large quantity generator, I certify that practicable and that I have selected the practicable the environment; OR, If I am a small quantity gener to me and that I can afford.	reby declars I respects a I have a pr method of t ator, I have	e that the content proper condition in place treatment, stora i made a good f	nts of this consig on for transport to reduce the v gs, or disposal s aith effort to min	riment are fully by highway accolume and too surrently availal imize my waste	and accurately ording to applicitly of waste go ble to me which a generation as	y described of cable international to international to intrinsizes and select the	above by proper ship sional and malonal of the degree I have of the present and future best waste manage	ping name overnmen latermined re threat to ment met	e and are t regulations. to be economically to burners health and hold that is available
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## NAPP TECHNOLOGIES

## EPA ID# NJD001315282

DATE	DESCRIPTION	QTY.	WASTE ID	MANIFEST
26-May-95	Isopropyl Alcohol	440 Gals.	D001	PAE4240810
	Nitric Acid	385 Gals.	D002	
26-May-95	Non DOT/RCRA Haz Sludge	8,500 Lbs.	N/A	PAE4240946
24-May-95	Non DOT/Non RCRA Material	1,336 Gals.	X900	NJA 210232
22-May-95	Non DOT/Non RCRA Material	20 Gals.		NJA 216106
	Non DOT/Not RCRA Material	20 Gals.		NJA2161067
19-May-95	Non DOT/Non RCRA Material	20 Gals.		NJA216107
	Non DOT/Non RCRA Material	20 Gals.		NJA2161072
	Non DOT/Non RCRA Material	20 Gals.		NJA2161070
	Non DOT/Non RCRA Material	20 Gals.		NJA2161069
17-May-95	Non DOT/Non RCRA Material	3,200 Gals.	X900	NJA177228
18-May-95	Non DOT/Non RCRA Material	30 Gals.	X900	NJA2102320
	Non DOT/Non RCRA Material	3,200 Gals.	X900	NJA210232
17-May-95	Non DOT/Non RCRA Material	3,200 Gals.	X900	NJA1772285
	Methoxypropylamine	2 Lbs.	D001	PAE182855
	Hydrochloric Acid, Acetic Acid	10 Lbs.	D002	
	Alkaline Liquids	21 Lbs.	D002	
	Ammonium Hydroxide, Potassium Hydroxide	93 Lbs.	D002	
	Dimethylformamide	55 Gals.	D001	PAE182842
	Heptane	55 Gals.	D001	
16-May-95	Nitric Acid	200 Lbs.	D002	PAE413881
	Acetronitrile	200 Lbs.	U003	
	Sodium Hydroxide	55 Gals.	D002	
	Pydridine	800 Lbs.	U196	
	Non DOT/RCRA Liquid	55 Gals.	N/A	PAE413882
	Non DOT/RCRA Liquid	165 Gals.	N/A	
	Non DOT/RCRA Liquid	200 Gals.	N/A	
	Sodium Hydrosulfite	100 Lbs.	D003	PAE135563
	Waste Aerosols	150 Lbs.	D001	PAE182998
	Toluene, Dimethyl Formamde	55 Lbs.	D001	
	Sodium Methylate	2 Lbs.	D003	
	Potassium lodate, Calcium Hypochlorite	33 Lbs.	D001	
15-May-95	Chloroform, Isopropanol	136 Lbs.	D022	PAE182857
	Chloroform, Methanol	150 Lbs.	U044	
	Furfural	1 Lbs.	D001	
	Chlorotrimethyl Silone, Methyl Chloroform	1 Lbs.	D001	
	Hydrochloric Acid	17 Lbs.	D002	<i>'</i>

	Ammonia Solutions	24 Lbs.	D002	7
	Nitrobenzene	8 Lbs.	U169	
	Non DOT/Non RCRA	18 Lbs.	N/A	
		45 Lbs.		
	Non DOT/Non RCRA		N/A	
	Non DOT/Non RCRA	150 Lbs.	N/A	
	Acetic Acid, Methanol	62 Lbs.	D002	
	Bismuth Nitrate, Calcium Hydrochlorite	1 Lbs.	D001	
	Zinc Peroxide, Barium Peroxide	53 Lbs.	D001	
	Lead Perchlorate, Potassium Dichromate	1 Lbs.	D005	
	Hydrogen Peroxide	3 Lbs.	D001	
	Mercuric lodide, Sodium Hydroxide	2 Lbs.	D009	
	Formic Acid	1 Lbs.	D002	
	Nitric Acid	11 Lbs.	D002	
	Cinnamic Aldehyde	35 Gals.	D001	PAE4138444
	Potassium Hydroxide	30 Gals.	D002	
	Sodium Hydroxide	60 Gals.	D002	
	Triethylamine	30 Gals.	D001	
	Nitric Acid	0	D002	PAE4138330
	Hydrosulfite	0	D003	
	Sodium Hydroxide	110 Gals.	D002	
	Non DOT/RCRA Liquid	120 Gals.	N/A	
	Triethylamine	30 Gals.	D001	PAE0582352
12-May-95	Acetone, Methanol	173 Lbs.	D001	PAE1355734
	Benzene, Cyclohexane	133 Lbs.	D001	
	Methanol Borontrifluoride	1 Lbs.	D001	
	Ethylene Diamine, Diethylamine	7 Lbs.	D001	
	Chloroform Methanol	84 Lbs.	D001	
<del></del>	Dioxane Tetrahydrofuran	24 Lbs.	D001	
	Silver Nitrate, Lead Nitrate	50 Lbs.	D001	
	Perchloric Acid	4 Lbs.	D001	
	Organic Peroxide	1 Lbs.	D001	
	Selenium Powder, Zinc Metal	6 Lbs.	D010	
	Picric Acid	40 Lbs.	D001	
	Arsenic Trixoide	1 Lb.	D004	
	Dinitrophenol, Nitroaniline	3 Lbs.	P048	
	Mercuric Chloride	3 Lbs.	D009	
	Sulfuric Acid, Hydrochloric Acid	71 Lbs.	D002	<del></del>
	Perium, Sodium Hydroxide	2 Lbs.	D002	<del>- </del>
	Chromium Barium	400 Lbs.	D011	

	Phosphorus Penfoxide	3 Lbs.	D003	
	Chloroform, Formaldehyde	50 Lbs.	U211	·
	Thinacetaunite	150 Lbs.	D002	
	Non DOT/RCRA Solid	50 Lbs.	N/A	
10-May-95	Isopropyl Alcohol, Methanol	4,800 Gals.	D001	PAE4137324
09-May-95	Lubricating & Quenching Oils	1,500 Gals.	X72	NJA2078294
	Waste Acetone	165 Gals.	F003	PAE4137136
	Waste Acetone	4,675 Gals.	F003	
	Isopropyl Alcohol/Methanol	5,148 Gals.	D001	PAE4136602
	Isopropyl Alcohol/Methanol	4,897 Gals.	D001	PAE4136532
27-Jun-95	Bismuth Subnitrate, Powder	1,000 Lbs.	D001	PAE4245216
	Non DOT/RCRA Solid	. 0	N/A	
	Non DOT/RCRA Liquid	220 Gals.	X726	•
05-Jun-95	Non DOT/RCRA Solids	20 Yds.	N/A	NJD98660994
28-Jul-95	Methanol/ Isopropal Alcohol	15 Gals.	F003	PAE4249921
	Non DOT/RCRA Solid	300 Gals.	N/A	
	Non DOT/RCRA Liquid	55 Gals.	N/A	PAE424976
26-Jul-95	Non DOT/RCRA Liquid	25 Yds.	N/A	NJA2171152
07-Jul-95	Sodium Hydrosulfite	300 Lbs.	D003	PAE4246804
	Non DOT/RCRA Liquid	450 Lbs.	N/A	·
	Sodium Hydrosulfite	200 Lbs.	D003	
29-Jun-95	Methanol, Sodium Hydroxide	55 Gals.	D001	PAE4245570
	NON DOT/RCRA Liquid	220 Gals.	N/A	
	Hydrochloric Acid	330 Gals.	D002	PAE4245651
	Sodium Hydroxide	615 Gals.	D002	PAE4245636
	Non DOT/RCRA Liquid	110 Gals.	X726	
14-Jul-95	Hydrochloric Acid	1,809 Gals.	D002	NJA2004898



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NAME: NAPP CHEMICALS INC.			
ADDRESS: 199 MAIN STREET	LODI	NJ :	07644
TOTAL CONTRACTOR OF THE CONTRA	city	state 1	zip
LOCATION:			
TELEPHONE: (201)773-3900	CONTACT E	OB LOWENSTEIN	
TELEFRONE.		•	
<b>.</b>	ROKER/AGENT OF GENERAT	OR	
NAME: REPUBLIC ENV SYS (PA			
ADDRESS: 2869 SANDSTONE DR	ive hatfield	PA	19440
•	city	state	zip
TELEPHONE: (215)822-8995	CONTACT E	ROSS SNOOK	
NAME: REPUBLIC  ADDRESS: IFATTE			
ADDRESS: 14ATT=	in la		
	city	state	zip
DATE: 8 27 95 TR	RUCK 862	LICENSE #	<del>75337/</del>
DRIVER SIGNATURE:	1/clas		
	DISPOSAL FACILITY		
PECOLID CE CONSI	CDVATION CODD		
NAME: RESOURCE CONSE	ERVATION CORT.		
		PERMIT #	101421
RECEIVED BY:			
Operator's Certification: I hereby deci above by proper shipping name and a condition for transport by highway ac	re classified, packed, marked, and	labeled, and are in a	il respects in propei
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Operator's Signature		ď De	ite

TE CF PICKUP	EPÁ IDENTIFICATI	ION CODE NO.	<b>WD0013</b>	15282					
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LODI WENT		STATE	<u>- NJ - </u>	21	<u>:076</u>	<u> 44                                   </u>	_ PHONE .	201 8	43-4
TACT: BOB LOEWENSTEIN		BROKER	<u>:</u>			المستحسب		<u>:</u>	
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## REPUBLIC ENVIRONMENTAL SYSTEMS

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Date



Operator's Signature

### RESOURCE CONSERVATION CORP. SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

### SPECIAL HANDLING MUNICIPAL WASTE

50021	WASIE GENERATUR		
rcc- <u>50024</u>			
NAME: NAPP CHEMICALS INC.			
ADDRESS: 199 MAIN STREET	LODI	NJ	07644
	city	state	zip
LOCATION: SAME			·
TELEPHONE: (201)773-3900	CONTAC	T BOB LOWENSTEIN	
BROKE	ER/AGENT OF GENEI	RATOR	
NAME: REPUBLIC ENV SYS (PA), I	NC.		
ADDRESS: 2869 SANDSTONE DRIVE	HATFIELD	PA	19440
	city	state	zip
TELEPHONE: (215)822-8995	CONTAC	T ROSS SNOOK	
		·	
TR	ANSPORTER OF WAS	STE	
NAME: REPUBLIC ENV. ADDRESS: 2337 North			
NAME: APPUBLE ENV.	Sys.		
ADDRESS: 2337 North	Herry Hat	Reld You	19440
DATE: 5/25-195 TRUCK		State	zφ ~>2 \
DATE: 6/25/195 TRUCK	#	LICENSE # _AAS	1213
DRIVER SIGNATURE:	2300		
	DISPOSAL FACILITY		
DECOMB OF CONCERNA	TON CORR		
NAME: RESOURCE CONSERVA	TION CORP.		
			01401
RECEIVED BY:		PERMIT #: _1	01421
Operator's Certification: I hereby declare the			
above by proper shipping name and are clas condition for transport by highway according			
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	-REPUBLIC ENV. SYS. (PA)	9.2	.P/	HA-4	11PPER 22 O 25	SHOTATONS
	Transporter 2 Company Name 8. US EPA ID Number			sporter's Phone (	215	322-8995
	-REPUBLIC ENV SYS (TRANS GROUP)   P'A D 9 8 2 6 6 1 3	81	E. State			gen Lings nel Longs
	Designated Facility Name and Site Address Park State Co. 2015 No.			A-AH	037	7
	REPUBLIC ENV SYS. (PA), INC.			Pacifity's ID	_215_1	22-2676_
	2869 SANDSTONE DRIVE HATFIELD PA 19440 P A D 0 8 5 6 9 0 5	<b>P</b> 2 .		ity's Phone ( 2	15 822	
		12 Conta		13.	174	1
	11. US DOT Description (Including Proper Shipping Mams, Hazard Class, and ID Number)	No.	Туре	Total Quantity	Unit WI/Yo	. Waste No.
	RQ WASTE SODIUM METHYLATE, 4.2, UN1431, PG II, (D003),					€ =: esf
	DANGEROUS WHEN WET	100		2050	<u> </u>	
	RQ WASTE PAINT RELATED MATERIAL, 3, UN1263, PG 11, (DOOL)		חע	0050	401	0003
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	8. Special Handling Instructions and Additional Information					
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	Decal-64771					75
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are full	y and accurately	described	above by proper	shipping nam	e and ere
	6. GENERATOR'S CERTIFICATION: I have by declare that the contents of this consignment are full classified, pecked, marked and labeled and are in all respects in proper condition for transport by highway act. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and tox practicable and that I have selected the practicable method of treatment, storage, or disposal currently available environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my wast.	doity of waste g	enerated to minimize	o the degree I have the present and	re determiner future threat	to be aconomically to human health and
	the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my wast to me and that I can afford.	e generation ar	nd select If	e best waste mer	egement me	
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	9. Discrepency Indication Space					
1						# <b>17.5</b>
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:	a. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as no Printed/Typed Name  Signature	CHANGE ID REAL TO.			MONTI	DAY YEAR
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?		REPUBLIC ENV SYS (PA), INC. 2869 SANDSTONE DRIVE	<del>ीक्षा रेक्ट के</del> Section	F. Trans	22 ADE 17 1991	215		
		HATFIELD PA 19440 P.A. D. O. 8 5 6 9	0 5 9 2 , 12 Conta		ny's Phone ( #21!	822- 14. Unit	-8995 Waste	
2	-	RQ WASTE ALCOHOLS, N.O.S.,3,UN1987,PG II, (METHANOL,ISOPROPYL ALCOHOL ),(F003)*	No.	Туре	Guentity	WVVol		
	  -	NON DOT/RCRA HAZ SOLID, NOT DOT REGULATED, (X725)	001	D M	0005	2 6	F 0	
2000-6-			004	D M	01200	P	X 7	
A A T	٦	NON DOT/RORA HAZ SLUDGE, NOT DOT REGULATED	001		00500			
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PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

## REPUBLIC ENVIRONMENTAL SYSTEMS

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OF PICKUP	S INC	CATION CODE NO. ; .	ADDRESS	199 MA	IN STR	FFT			<del></del>
LODI		STA1	TE NJ	71	076	44	UCAIE A	201 8	43-4664
ACT: BOB LOEWENSTEI	[N	BROKE				<u>-:</u> Pi	HONE _		
US DOT Description (Including F				Conta		Total		Unit WL/Vol.	Waste N
			<del></del>	No.	Туре	Quantit	7	WL/VOI.	· 
ON DOT/RCRA HAZ SOLID	NOT DOT REGULAT		,	VO	,	1	200		
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### PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form appro OMB No. 2

	_						CAPIES 5-3
4		UNIFORM HAZARDOUS WASTE MANIFEST N J D 0 0 1 3 1 5 2		アダス	2. Page 1 of	information within required by Feder required by State	ral law but may be 1
١,	i	3. Generator's Name and Mailing Address NAPP CHEMICALS		100	A. State Manif	est Document Numb	
		199 MAIN STREET P O BOX 900	TIVE	-	P	SE ASS	92383
	.	LODI NJ 07644			B. State Gen. I		<u> </u>
	١.	201 843-4664		-		SAME	•
	ŀ	5. Transporter 1 Company Name	6. US EPA ID Number		C. State Trans	. ID	
	1		•		PA-A	u	
Ш	ŀ	REPUBLIC ENV. SYS. (PA) PAD 7. Transporter 2 Company Name	0 8 5 6 9 0 5	9 2	D. Transporter		0.6.2.0.1
-	- 1		0006613		E. State Trans	ID .	15 822-89
2	ŀ	P. Designated Facility Name and Site Address	9 8 2 6 6 1 3 10. US EPA ID Number	8.1	PA-A	H	
3	-	· · · · · · · · · · · · · · · · · · ·		`		··· u	3.1.7
اهٔ	1	REPUBLIC ENV SYS (PA), INC.		• .	F. Transporter G. State Facilit		15 822-21
	1	2869 SANDSTONE DRIVE			H. Facility's P		
51 1	ŀ	HATFIELD PA 19440 PAD	0856905	12. Conta		13. 215	822-8995
5	ı	11. US DOT Description (Including Proper Shipping Name. Hazard Class, and ID Numb	er)			Total .	Unit Wasi Wt/Vol <sup>‡</sup>
5	÷	P. DO MACTE AMMONIA COLUTIONS & UNGCTO DO	TTT (0000)	No.	Туре	Quantity	<del></del>
	-	RQ WASTE AMMONIA SOLUTIONS,8,UN2672,PG	111, (0002)			1	•
	•			XXI	X	XCC	0 0 0
	. !	RQ WASTE HYDROCHLORIC ACID, SOLUTION, 8,	INITED DE TIT		D M	(1) · J	<u> </u>
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		. 5002,		XXI	D M X	(X ZO	
F	•	NON DOT/RCRA HAZ LIQUID, NOT DOT REGULAT	ED (Y726)	101	0 14 7	.,	<u> </u>
3 4		NOW DO IN TOTAL TELEGOLOGY DO I REGOLAT	LD, (X/20/	100	,	1-0	_
<u>ا ر</u>	) !			XXI	пмХ	X S S	C V 7
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3	•	J. Additional Descriptions for Materials Listed Above		7 9 0 0	K. Handling Co	des for Wastes Lisfs	d'Above
Ė		Lab Pack Physical State Lab Pack	Physical State				
<u>-</u>	_	* L AD38230	WD386	16	• S01	c	<u> 501                                   </u>
			! 1				
2		b L_ WD38642	<u> </u>	93	b. S01	a.	S01
		15. Special Handling Instructions and Additional Information					
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5 .	+	AS CENEDATODIC CERTIFICATION.	-1.00		*.		
		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents classified, packed, marked and labeled and are in all respects in proper condition if I am a large quantity generator. I certify that I have a program in place to	or unis consignment are fully or transport by highway acc	y and accurately cording to applica	pescribed above the international	e by proper shipping and national gove	mame and are
		practicable and that I have selected the practicable method of treatment, storage,	or disposal currently availa	ible to me which	minumizes the o	masent and future ti	Marito human ii
emergency	1	the environment; OR, if I am a small quantity generator, I have made a good failt of me and that I can afford.		e generation an	select the besi	waste manageme	nt method that is
	ſ	Printed/Typed Name	Signature 1		$\overline{\Omega}$ $\overline{\Omega}$ .	. · · · · · · · · · · · · · · · · · · ·	ONTH DAY
		/ A) GAZdALSK.	XWX	ianda	Keli		1030
	Ī	7, Transporter 1, Acknowledgement of Receipt of Materials Printed/Types Name	Signature	0.1	1		IONTH DAY
3		MUSIONE //HIVOUTE	1/Ann	And)	YHIA	1	10120
되 :	;	18. Transports 2 Kdurbutedgement of Receipt of Materials	1 1/500	10.01	OVVI		<u> </u>
		Printed/Typed Name	Signature				IONTH DAY
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1	, <b>'</b>	19. Discrepancy indication Space					
•					. 2. ₹. — * <sup>1</sup>		
17					_		*> <u></u>
6		89. Facility owner or Operator: Certification of receipt of hazardous materials covered b	y this manifest except as no	oted in Rem 18,	`		
1		Printed/Typed Name	Signature				WAY THOU
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## REPUBLIC ENVIRONMENTAL SYSTEMS

her 397183 1/2 /	2337 North Penn Rd Hatfield, Pa 19440							
TE OF PICKUP 1030	EPA IDENTIFICAT							·
NERATOR NAPP OHEMICA	LS INC		_ ADDRESS		IN STR	EET	- :	· \
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US DOT Description (Including		d Class, and ID Nu	ımber)	No.	Type	Total Quantity	Ųnit ₩t./Vol.	Waste
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RQ WASTE HYDROCHLORIC	ACID, SOLUTION, 8, UN	11789,PG III						
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ditional Information/Lab Code		<del></del>		Emer	gency Pho	<del>/ y</del>	· · · · ·	• • • •
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PARTED CUSTOMER						<del></del>		
LAY TIME								
NERATOR CERTIFICATION: hereby delicare that the contents of the	this consignment are fully and ac	ccurately described	d above by pro	per shipping	name an	d are classified, packy	ed. marked	l and
NERATOR CERTIFICATION: hereby delcare that the contents of the ded/placarded, and are in all respectives listed/above are true apd/correct Name  ACTOR # TRANSPORTER #1  DMPANY REPUBLIC EN	cts in proper condition for transpect.   ZOIA SK.   Si	courately described out according to a signature BOX SPOTTED	Co De	BOX	PICKED L	overnmental regulation  Date	0/3 LINER -8995	and star of the st
NERATOR CERTIFICATION: hereby delcare that the contents of the eled/placarded, and are in all respectives listed above are true apolicore in Name  ACTOR # THE ANSPORTER #1  INT NAME  ANSPORTER #2	cts in proper condition for transpect.   ZOIA SK.   Si	BOX SPOTTED  SIGNATUR	Co De	BOX PHON	PICKED LE NUMBE	Date Date 215 822 AD085690592	DATE /	3/9°
NERATOR CERTIFICATION: hereby delcare that the contents of the eled/placarded, and are in all respectives listed above are true apolicons. It Name  ACTOR # TE  ANSPORTER #1  DMPANY REPUBLIC ENTER ANSPORTER #2  DMPANY REPUBLIC ENTER #2  DMPANY REPUBLIC ENTER #2  DMPANY REPUBLIC ENTER #2	cts in proper condition for transpect.    20   4   S   S     RAILERS 3   8 C     V. SYS. (PA)	BOX SPOTTED  SIGNATUR	opicable fright	BOX PHON	PICKED LE NUMBE	Date Date 215 822 AD085690592 PAD982661381	DATE /	3/9°
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NERATOR CERTIFICATION: hereby delcare that the contents of the eled/placarded, and are in all respectives listed above are true apolicons.  ACTOR # THE ANSPORTER #1  ANSPORTER #1  ANSPORTER #2  DEPARTURE TIME  LAY TIME  IISH TIME  NSIGNEE/TREATMENT/STORAGE	CES IN PROPER CONDITION FOR TRANSPORT  RAILERS 3180  V. SYS. (PA)  V. SYS. (PA)  V. SYS. (TRANS GROUND FOR T	BOX SPOTTED  SIGNATUR  SIGNATUR  SIGNATUR  SIGNATUR  EASON FOR DEL	Opplicable Integral	BOX PHON PHON EPA ID	PICKED LE NUMBE	Date Date Date Date Date Date Date Date	DATE / DATE	2/9 1/30,
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NERATOR CERTIFICATION: hereby delcare that the contents of the eled/placarded, and are in all respectives listed above are true apolicoment. Name  ACTOR # TE  ANSPORTER #1  DMPANY REPUBLIC EM  INT NAME  ANSPORTER #2  DMPANY REPUBLIC EM  SINT NAME  DF ARRIVAL TIME  DF DEPARTURE TIME  LAY TIME  NSIGNEE/TREATMENT/STORAGE  INSIGNED TO REPUBLIC ENV	CES IN PROPER CONDITION FOR TRANSPORT  RANLERS 318C  V. SYS. (PA)  V. SYS. (PA)  V. SYS. (TRANS GROUND FOR T	BOX SPOTTED  SIGNATUR  SIGNATUR  SIGNATUR  A IDENTIFICATION	RE AY  ON CODE NO ADDRESS	PHONE PADOS 2869 S	PICKED LE NUMBE NO	Date DRIVE	DATE / DATE	1/3
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EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

## PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES Bureau of Waste Management

P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approv OMB No. 20

-					Expires 9-30
11	UNIFORM HAZARDOUS  WASTE MANIFEST  N J D 0 0 1 3 1 5 2 8 2	7794	2. Page of	required b	n within the blue border i y Federal law but may be
1 4	3enerator's Name and Mailling Address NAPP CHEMICALS INC	<u> </u>	A State	Manifest Documer	
Lì	199 MAIN STREET P O BOX 900				392394
	LODI NJ 07644		B. State	Gen. ID SAM	Ε
	201 843-4664 5. Transporter 1 Company Harne 6. US EPA ID Number	<del> </del>	C. State	Trans. ID	•
	REPUBLIC ENV. SYS. (PA) PAD 0 8 5 6 9 0 5	9.2	P/	A-AH	506209
Ш	7. Transporter 2 Company Name 8. US EPA ID Number			sporter's Phone (	275 822-89
:	REPUBLIC ENV SYS (TRANS GROUP) P A D 9 8 2 6 6 1 3  9. Designated Facility Name and Site Address  10. US EPA 80 Number	81		A-AH	
	REPUBLIC ENV SYS (PA), INC.			sporter's Phone (	0 3 1 7 215 822-26
	2869 SANDSTONE DRIVE		<del></del>	Facility's ID	
	HATFIELD PA 19440 P A D O 8 5 6 9 0 5	9 2 12. Conta		ity's Phone ( 2	15 822-8995
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	No.	Туре	Total Quantity	Unit Wash Wt/Vol.
	* NON DOT/RCRA HAZ SOLID, NOT DOT REGULATED, (X725)				4.
		XX	D M	X 280	00 2 4 7
Ğ	P. NON DOT HAZ SOLID, NOT DOT REGULATED .	<del>                                     </del>	UM	X280	<u> </u>
N		X 7	'	4V 2	ncl
R	c.	I A	DM	$\wedge x \otimes$	JU P N/
Ť		!	ŧ		
R	d.	· 	÷	1	
		!			:
} }	. Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack Physical State	-	K. Handli	ng Codes for Wast	rs Listed Above
	* L	·	. so	)1	c
	□				
1.	15. Special Handling Instructions and Additional Information	± ·	s SO	)1.	d.
		EM	ERGEN	ICY PHONE	301-843-108
		·:			
-					
	16. GENERATOR'S CERTIFICATION: I hereby dec are that the contents of this consignment are fully	end accurately	described	ahaya bu amasa	
	i diassines, pocues, menero en autores en este in an respecta in proper constituti no transport by ingriving and	icity of watte or	able intern	ational and national	i dovernment redrigation
	practicable and that I have selected the practicable method of treatment, storage, or disposal currently available environment: OR, if I am a small quantity generator. I tiz e made a good faith effort to minimize my wast to me and that I can afford.				
	X Printed Typed Name Signature / /		1	0	MONTH DAY
¥	17. Thyrapporter 1 Actyrovindgement of Receipt of Metricity	19/01	<u>IX</u>	lu:	1000
3	Printed y y de Name Signature	7	11	1. 1	MONTH DAY
	16. Transportier 2 Actor/Modglement of Reporter of Reporter	1-1	K	my	1/436
	Printed/Typed Name Signature		1		MONTH DAY
	19. Discrepancy Indication Space				
F	l marine 이 이 이 이 아무를 통해 화면서 사람이 사람이 되었다.				
1				્રાં કું <u>મુખ્</u> યું છે.	
1	20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as no  Printed/Typed Name Signature	ted in item 19.			MONTH DAY
Y.					

NEW STATE	REPUBLIC ENVIRONMENTAL SYSTEMS
$\approx$	SYSTEMS

Page	1	οľ	
· nec		v	

#### LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC	Generator EPA ID Number: NJD001315282
PAE4392883	
Manifest Number:	

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7. I have indicated below the relevant information required to properly manage my wastets) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

proval/Lab Code: AD38230

Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

iste Codes: D002

Sub Categories:

DRROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

) UHC'S IN WASTE

proval/Lab Code: WD38642

Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

iste Codes: D002

Sub Categories:

DRROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

O UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

prioring in abmitted herein to frue, acquire and complete.

Signature: W Haydakkin

877490496

DCN 101-201-F0171 Rev. 0 12:45.

Court	vard			Transporter
•	7 Nitrogen Cylinders		•	MG Gas Co.
4/28	1 Acetic Acid Drum	Lot 56	572	Kramer
	1 Nitric Acid	Lot 54	143	Brown
11 drums 4/28	mo 4/28/11 drums of 8-Hydroxyquinoline Base Lot 5636			
	ssigned			
	16 drums of TMT mo	Republic		
	1 drum of MPG slime	•	Lot LG935985	Republic
	17 drums of CMT gr	an.	Lot LD924362	Republic
	1 drum Sodium Hypo	ochlorite	2	Brown

<u>Manu</u>	facturing #3 & #5	Transporter
	1 drum of 15% Sodium Hypochlorite Brown	n
WA	1 drum of Sodium Hydroxide for sewer treatment	Kramer
>m4/28/95	2 drums of Bismuth Tribromophenate W.I.P. Lot I (Still mat'l to be centrifuged from batch above (1) 10 30-gal Sulfuric Acid Containers Lot 5789	
	Drum of Carbon	Brown
	Drum of Hi-Flo	Brown
-m 4/28 gent	1 drum of Ammonium Hydroxide Lot 5811	Kramer
_	1 drum of Hcl Acid Lot 5388	Brown
•	1 partial of Sod. Hydrosulfite Lot 5670	Brown
•	1 partial of Hampene Acid Lot 5669	Brown
	1 drum of Nitric Acid Lot 5332	Brown
	1 partial Bismuth Sod Nitrate Lot 5769	Not assigned
	l partial H2 SO4 Lot 5789	Brown
	1 drum Sodium Hydroxide Lot 5523	Brown
pm 4/28	4 Hydrogen Cylinders	MG Gas Co.
pm 4/28	2 Hydrogen Chloride Cylinders	MG Gas Co.
•	3 Acetylene Cylinders	MG Gas Co.
	2 Carboys of Rhodine 2-1-3	To be inspected
	1 drum Sodium Hypochlorite	Brown
m 4/28	2 Cylinders Nitrogen	MG Gas Co.

Old PhBA Area			Transporter
Loaded 38 4/38/94	of MP <b>B</b> w-i-p	Lot LA957507	Presidential 44444
11 W.I.P	Drums of Lidoca	ine	Presidential
11 Hydro	xyzice Pamoate W	J.I.P. Drums	Presidential
15 Methy	Iparaben W.I.P.		Presidential
5 Diak #	l W.I.P. (Flammat	ole Solvent)	Presidential
0 0 1 2 drums	Sulfabenzamide (fi	bre drums)	Presidential
Fooded 94 20 Kg. o.	f Bismuth Tribrom	ephenate W.I.P	Presidential

1 Unknown fibrepak

For inspection

## Fluorescein Room

Tansporter

2 drums of Cleaning solution (Sodium Hydroxide) Republic Environmental

Outside Manufacturing Wall

**Transporter** 

21 Propane Cylinders

Suburban Propane

no part,

nitell ACID.

METHOXY Propylamine 1 Supropanol Sul Funic ACID ATTACHMENT 10

Aerial Photographic Interpretation



#### **ATTACHMENT 10**

10. Aerial Photographic interpretation for sites larger than two acres from 1932 to present or to the earliest photograph available (Continued from page 8 of 11).

ENSR performed a review of available aerial photographs for the years 1940, 1951, 1953, 1961, 1971, 1974, and 1991 at the NJDEP Photo and Map Library in Trenton, New Jersey, and has obtained copies of aerial photographs for 1966, 1973, and 1993 from Robinson Aerial Surveys, Inc. ENSR also reviewed Lodi building department and fire department records, tax assessor and deed records, a 1933 and 1946 Lodi Directory, and Sanborn Fire Insurance Maps dated 1917, 1951 and 1968. Below is a summary of conclusions developed based on ENSR's review of available aerials and historical information sources:

- The Napp Technologies building, situated at 199 Main Street, appears to be unchanged since 1971. Aerial photographs were not available prior to 1940; however, the 1917 Sanborn Map shows the subject property as undeveloped land. From 1940 through 1968, the southern half of the subject site was occupied by a portion of a chemical works building that was connected to an off-site building extending to the south. During this time, facility parking was located on the north side of the chemical works building. The 1966 aerial photograph shows an unpaved area adjacent to the south side of the current facility parking lot, which was later paved and fenced-in for materials storage use. The 1968 Sanborn shows three separate structures that occupied the subject site which appear to have been remodeled by the previous owner in stages, between 1966 and 1971. In 1968, one office-type structure occupied the northeast corner of the subject property at the intersection of Main Street and Molnar Lane; a second structure was located at the northwest portion of the property; and the third structure was identified on the Sanborn map as a chemical works building, that extended off-site in a southerly direction along Main Street to the railroad right-of-way to the south. The 1971 aerial photograph shows the site as it existed approximately 1 year after Napp operations began. The property appeared essentially the same at that time as it was prior to the April 1995 explosion.
- In general, site buildings and structures have not changed dramatically since 1971-73. Napp Technologies occupied the building along 199-201 Main Street from 1973 to the present. During this time, facility parking was within a paved, fenced-in parking lot on the northwest portion of the property to the rear of the building. Southwest of the parking area was a paved area used for the storage of hazardous (toxic, corrosive, and flammable) liquids. This area was separated from the adjacent parking lot by a number of aboveground product storage tanks containing materials (e.g., muriatic acid, methanol, potassium hydroxide, propanol or isopropanol, and caustic) that Napp Technologies used to combine into product mixtures. Previously, B. L. Lemke & Co. operations stored muriatic acid, iso-propyl alcohol, ethyl acetate, methyl alcohol, and N-propyl alcohol in these tanks. A 6,000-gallon phenol tank and a 32 ton CO<sub>2</sub> tank were installed in 1985 in the rear yard to accommodate Napp's production activities.
- The Napp Technologies building is connected by a common wall to a larger building which historically extended approximately 800 feet in a southerly direction along Main Street to a former railroad right-of-way near Graham Lane. Over the years, as seen on the 1991 and 1974 aerials, portions of this adjacent building have been demolished and converted to other uses to suit the Main Street businesses.
- The area between the site buildings and the east bank of the Saddle River was undeveloped prior to 1961, aside from an unpaved roadway running in a southerly direction along the rear of the site buildings, from Molnar Lane toward Graham Lane. Based on observations of aerials taken between 1940 and 1961, the undeveloped area situated between the Saddle River and the roadway behind the subject site buildings has historically been subject to flooding.



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#### **ATTACHMENT 11**

**NJ Air Pollution Control Permits** 

Passaic Valley Sewerage Commissioners Permit



#### **ATTACHMENT 11**

# 11(A). New Jersey Air Pollution Control (continued

Permit Number	Certificate Number	Date of Approval or Denial	Reason for Denial (if applicable)	Expiration Date
	084934	5/17/88		10/22/97
	085793	8/18/88		10/25/97
	087225	10/24/88		6/19/95
	091343	8/31/89		1/31/95
	094953	5/11/90		10/26/97
	111322	2/26/93		5/21/94
	111892	3/30/93		6/17/95_
	114385	9/22/93		6/13/95
	117745	7/21/94		7/21/99

11(E). Local government permits

As requested by NJDEP, a copy of the PVSC Sewer Connection Permit, Permit #17401142, is attached.



BL. F.S.

# PASSAIC VALLEY SEWERAGE COMMISSIONERS

# SEWER CONNECTION PERMIT

PERMIT # 17401142 ·

(P)	ease use	the Pe	rmit N	umbe	z on	any	corres	ponde	ence with	PYSC)		
In compli	ance wi	th the	provisio	o eac	f the	Pe	deral	Water	Pollution	Cont	rol	Act, its
amendme	nts, the	Clean	Water	Act	and	the	Rules	and	Regulatio	ns of	the	Passaid
Valley Ser	werage (	Commis	sioners	:					_			

Valley Sewerage Commissioners:	
Napp Chemicals,	Inc.
(herein, after refer	red to as the Permittee)
is authorized to discharge from a facil	lity located at
199 Main Street	
Lodi, New Jerse	у 07644
	nissioners Treatment Works in accordance with irements and other conditions set forth herein.
EFFECTIVE DATE _	02/24/91
EXPIRATION DATE	02/24/96

PASSAIC VALLEY SEWERAGE COMMISSIONERS

EXECUTIVE DIRECTOR

877490508



#### A. GENERAL PROHIBITIONS

1. No person shall discharge or deposit or cause or allow to be discharged or deposited into the treatment works or public sewer any waste which contains the following:

#### a. EXPLOSIVE MIXTURES

Pollutants which create a fire or explosion hazard to the treatment works, collection system or to the operation of the system. Prohibited materials include, but are not limited to, gasoline, kerosene, naphta, benzene, toluene, xylene, ethers, etc.

#### b. CORROSIVE WASTES

Any waste which will cause corrosion or deterioration of the treatment works. All wastes must have a pH not less than 5. Unless otherwise stated in the Sewer Connection Permit, all waste shall have a pH not more than 10.5. Prohibited materials include, but are not limited to, acids, sulfides, concentrated chloride or flouride compounds, etc.

#### c. SOLID OR VISCOUS WASTES

Solid or viscous wastes which would cause obstruction to the flow in a sewer, or otherwise interfere with the proper operation of the treatment works. Prohibited materials include, but are not limited to, uncomminuted garbage, bones, hides or fleshings, cinders, sand, stove or marble dust, glass, etc.

#### d. OILS AND GREASE

- (1) any industrial wastes containing floatable fats, wax, grease or oils.
- (2) any industrial wastes containing more than 100 mg/l of petroleum hydrocarbons.

#### e. NOXIOUS MATERIAL

Noxious or malodorous solids, liquids or gases, which, either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or are or may be sufficient to prevent entry into a sewer for its maintenance and repair.

#### f. RADIOACTIVE WASTES

Radioactive wastes or isotopes of such half life or concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which will, or may cause damage or hazards to the treatment works or personnel operating the system.



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#### g. EXCESSIVE DISCHARGE RATE

Industrial wastes discharged in a slug of such volume or strength so as to cause a treatment process upset and subsequent loss of treatment efficiency.

#### h. HEAT

- (1) any discharge in excess of  $150^{\circ}$  F (65 $^{\circ}$ C)
- (2) Heat in amounts which would inhibit biological activity in the PVSC treatment works resulting in a treatment process upset and subsequent loss of treatment efficiency, but in no case shall heat be introduced into the PVSC treatment works in such quantities that the temperature of the influent waters at the treatment plant exceed 40°C (104°F).

#### i. UNPOLLUTED WATERS

Any unpolluted water including, but not limited to, cooling water or uncontaminated storm water, which will increase the hydraulic load on the treatment system, except as approved by PVSC.

#### j. WATER

Any water added for the purpose of diluting wastes which would otherwise exceed applicable maximum concentration limits.

- 2. No person shall discharge or convey, or permit to be discharged or conveyed, to the treatment works any wastes containing pollutants of such character or quantity that will:
  - a. Not be susceptible to treatment or interfere with the process or efficiency of the treatment system.
  - b. Violate pretreatment standards. As pretreatment standards for toxic or other hazardous pollutants are promulgated by USEPA for a given industrial category, all industrial users within that category must immediately conform to the USEPA timetable as well as any numeric limitations imposed by USEPA. In addition, an industrial user shall comply with any more stringent standards as determined by PVSC or other agency.
  - c. Cause the PVSC treatment plant to violate its NJPDES permit, applicable receiving water standards, permit regulating sludge which is produced during treatment or any other permit issued to PVSC.

### B. INSTALLATION OF SAMPLERS

The permittee shall install a 24 hour composite sampler on Outlet #1 acceptable to PVSC with attachments for affixing seals,

which shall be maintained in proper working order at all times. The installed samplers shall draw a sample, over each operating day, which shall be representative of plant waste.

A one quart or one liter aliquot shall be set aside by ( 9:00am Outlet #1) each operating day and refrigerated. A PVSC representative may pick up this sample during the day. Any sample not picked up by PVSC may be discarded at the end of that day.

Permittee shall insure that the sample is maintained between 10C-40C during and after sample collection.

1. During the period beginning (02/24/91) and lasting through (02/24/96) the permittee is authorized to discharge from outlet(s) number(ed) (17401141-37430-0171). Such discharge shall be monitored by the permittee as specified below. Volume to be determined from the incoming City meter less two (2) cooling tower make-up meters less one (1) boiler make-up meter. (Outlet #1).

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS		INT CHARACTERISTIC DESCHARGE LIMITATIONS MONITORING REQUI			JIREMENTS	
		DAILY MAX	MRASUREMEAT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD		
BOD (0310)	xxxxx	xxxxx	Weekly	24 hr. comp.	Quarterly		
TSS (0530)	xxxxx	xxxxx	Weekly	24 hr. comp. ,	Quarterly		
Volume	xxxxx	xxxxx	xxxxx	xxxxxx	Quarterly		
pH (9000)	xxxxx	5 to 10.5	Continuous	Recorder	•		
LEL **	kxxxxx	xxxxx	Continuous	Recorder	•		
Permittee to store pH an	1	[					
** Regulated us defined in A	ppendix B-201.7,	Pretreatment L	imitation #2 of PVSC	Rules and Regula	ions.		

1. During the period beginning (02/24/91) and lasting through (02/24/96) the permittee is authorized to discharge from outlet(s) number(ed) (17401142-37430-0171). Such discharge shall be monitored by the permittee as specified below. Volume to be determined from water consumption data. Outlet has separate water consumption meter. Sanitary waste only to be discharged from this outlet.(Outlet #2).

EFFLUENT CHARACTERISTIC	DISCHARGE	LIMITATION8	MONITORING RQ	UTREMENTS	
		:	MEASUREMF 14.45 FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
BOD (0310)	xxxxxx	xxxxxx	N/A *	N/A	xxxxx
TSS (0530)	kxxxxxx	xxxxxx	N/A *	N/A	xxxxxx
Volume	xxxxxx	xxxxxx	xxxxxx	xxxxxx	Quarterly
Concentration for User C	erge to be det	ermined from Re	s dential Strength Star	ndards.	

1. During the period beginning (02/24/91) and lasting through (02/24/96) the permittee is authorized to discharge from outlet(s) number(ed) (17401141-37430-0171). Such discharge shall be monitored by the permittee as specified below. Volume to be determined from the incoming City meter less two (2) cooling tower make-up meters less one (1) boiler make-up meter. Permittee to submit volume in accordance with PVSC Pretreatment Monitoring Report Form MR-1.

40 CFR 439.36 Subpart C

EFFLUENT CHARACTERISTIC DESCHARGE LIMITATIONS		MONTTORING REQUIREMENTS				
		30 DAY m	a) B/1 DAILY MAX	MEASUREM IN IT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
			:			
CN (T)		9.4	33.5	Twice/Year	Grab `	Semi-Annually
Volume	:	kxxxx	xxxxx	xxxxx	xxxxx	Semi-Annually
(a)	If affluent from pharmace sewers carrying process wastewater, then the Couthe discharge limitations.	wastewater from the property of the wastewater from the wastestre	m other manu	facturing processes	or non pharmace	utical dilution

During the period beginning (02/24/91) and lasting through (02/24/96) the permittee is authorized to discharge from outlet(s) numbered (17401141-37430-0171). Such discharge shall be monitored by the permittee as specified below. Volume to be determined from the incoming City meter less two (2) cooling tower make-up meters less one (1) boiler make-up meter. Permittee to submit volume in accordance with PVSC Pretreatment Monitoring Report Form MR-1.

DISCHARGI	E LIMITATIONS	MONITORING REQUIREMENTS			
1		Measurement Prequency	Sample Type	Reporting Period	
xxxxxxxxx	xxxxxxxxxx	xxxxxxxxxxx	xxxxxxxxxxx	Semi-Annually	
(a)	(a)	Twice/Year	(a)	Semi-Annually	
	All units are Micrograms DAILY MAX.	MAX. AVG.	All units are in Measurement Micrograms per liter Prequency MAX. MONTHLY AVG.	All units are in Measurement Sample Type  Micrograms per liter Frequency Type  DAILY MONTHLY AVG.  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	

(a) See Page 10 of 16, Section 2 E of this Permit for Effluent Characteristics, Daily and Monthly Discharge Limitations, and Sample Type.

- 2. In addition to the monitoring required in Section C.1. the Permittee is required to meet the following schedule of compliance:
  - A. Analysis of wastewater parameters shall be performed by a laboratory that has been certified by the State of New Jersey.
  - B. Pretreatment Compliance Requirements Pharmaceutical Categorical.
    Pretreatment Standards 40 CFR 439.

Permittee to be in compliance with Pharmaceutical Categorical Pretreatment Standards 40 CFR 439.36 Subpart C.

Permittee to submit a Periodic Compliance Monitoring Report Semi-Annually January 21 and July 21 in accordance with General Pretreatment Regulations 40 CFR 403.12 section (e).

C. Pretreatment Compliance Requirements - Organic Chemicals Categorical Pretreatment Standards 40 CFR 414.

Permittee to be in compliance with Organic Chemicals Categorical Pretreatment Standards 40 CFR 414.85 Subpart H.

- 07/21/91 First Periodic Compliance Monitoring Report due. Permittee to submit a Periodic Compliance Monitoring Report Semi-Annually January 21 and July 21 in accordance with General Pretreatment Regulations 40 CFR 403.12 section (e).
- D. Permittee to submit as an attachment to the MR-2 Form Quarterly, a water balance showing the incoming water and volume discharged to each outlet.

· Effluent Characteristics	Maximum for any one day	Maximum for monthly average	Sample Type
		•	
Benzene	134	57	Grab
Carbon Tetrachloride	380	- 142	Grab
Chlorobenzene	380	142	Grab
1,2,4-Trichlorobenzene	794	196	Composite
Hexachlorobenzene	794	196	Composite
1,2-Dichloroethane	574	180	Grab
1,1,1-Trichloroethane	59	22	Grab
Hexachloroethane	794	196	Composite
1,1-Dichloroethane	59	22	Grab
1,1,2-Trichloroethane	127	32	Grab
Chloroethane	295	110	Grab
Chloroform	325	111	Grab
1,2-Dichlorobenzene	794	196	Composite
1,3-Dichlorobenzene	380	142	Composite
1,4-Dichlorobenzene	380	142	Composite
1,1-Dichloroethylene	60	22	Grab
1,2-Trans-Dichloroethylene	66	25	Grab
1,2-Dichloropropane	794	196	Grab
1,3-Dichloropropylene	794	196	Grab
Ethylbenzene	380	142	Grab
Methylene Chloride	170	36	Grab
Methyl Chloride	· 295	110	Grab
Hexachlorobutadiene .	380	142	Composite
Nitrobenzene	6402	2237	Composite
2-Nitrophenol	231	65	Composite
4-Nitrophenol	576	162	Composite
4,6-Dinitro-O-Cresol	277	78	Composite
Tetrachloroethylene	164	52	Grab
Toluene	74	28	Grab
Trichloroethylene	69	26	Grab
Vinyl Chloride	172	97	Grab
Total Cyanide	1200	420	Grab
Total Lead	690	320	Composite
Total Zine	2610	1050	Composite

#### D. MONITORING AND REPORTING

#### 1. USER CHARGE

#### 2. PRETREATMENT

Monitoring results shall be reported on Discharge Monitoring Report Form, MR-1 Semi-Annually. Reports are due January 21 and July 21.

#### 3. REPORTS

Properly signed reports required herein shall be submitted to PVSC at the following address:

PASSAIC VALLEY SEWERAGE COMMISSIONERS INDUSTRIAL WASTE CONTROL DEPARTMENT 600 Wilson Avenue Newark, NJ 07105

#### 4. TEST PROCEDURES

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. Test procedures for the analysis of pollutants shall conform to regulations contained in the PVSC Rules and Regulations, Federal, State and local laws or regulations.

#### 5. RECORDING OF RESULTS

For each measurement of a sample taken pursuant to the requirements of this permit, the permittee shall maintain a record of the following information:

- a. The date, exact place and time of sampling;
- b. The dates the analyses were performed;
- c. The person (s) who performed the analysis;
- d. The analytical techniques or methods used;
- e. The results of all required analyses.

<sup>\*</sup>Permittee has been required to submit Monitoring Reports MR-2 to PVSC since 4/15/81.

## 6. ADDITIONAL MONITORING BY PERMITTEE

If the permittee monitors any pollutant at the location (s) designated herein more frequently than required by this permit, using the approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Forms (PVSC Form MR-1 or MR-2). Such increased frequency shall also be indicated.

#### 7. RECORDS RETENTION

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of (5) years.

#### 8. DEFINITIONS

- a. The "30 day average" discharge means the average of daily values for 30 consecutive monitoring days. For the purpose of enforcement of Pretreatment Standards, consecutive samples taken and analyzed shall be considered as being taken on consecutive days even though one or more non-sampling days intervene. In applying the Pretreatment Standards where more than one but less than 30 samples have been taken and analyzed during any month, a formula, specified by USEPA, will be used to calculate the "30 day average".
- b. The "daily maximum" discharge means the highest discharge by weight or other appropriate units, as specified herein, during any calendar day.
- c. "Daily" each operating day.
- d. "Weekly" one day each week during a normal operating day.
- e. "Monthly" one day each month during a normal operating day.
- f. "Composite" a combination of individual samples obtained at regular intervals over the entire discharge day.

The volume of each sample shall be proportional to the discharge flow rate unless specifically modified by PVSC. For a 24 hour continuous discharge, a minimum of 24 individual samples shall be collected at equal intervals and at least once per hour. For continuous discharges of less than 12 hours, individual samples shall be taken at least once every 30 minutes. For discharges which are not continuous, individual samples shall be taken such that they will be representative of plant waste.

- g. "Grab" an individual sample collected in less than 15 minutes.
- h. "Quarterly" every three (3) months.
- i. "N/A" not applicable.

#### e. Management requirements

#### 1. CHANGE IN DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or modification which will result in new, different, or increased discharges of pollutants must be reported by submission of a new PVSC Sewer Connection Application or, if such changes will not violate the effluent limitations specified in this permit, by notices to PVSC of such changes. Following such notices, the permit may be modified to specify and limit any pollutants not previously limited.

#### 2. NONCOMPLIANCE NOTIFICATION

ತ : ನಿರ್ವಹಿಸಿದ್ದಾರೆ:

If, for any reason, the permittee does not comply with, or will be unable to comply with any effluent limitation specified in this permit, the permittee shall notify PVSC within 24 hours of the occurrence.

If this report is made orally, a written report containing the following information, shall be submitted within five (5) working days:

- a. A description of the discharge and the cause of the period of noncompliance;
- b. The period of noncompliance, including exact dates and times, or, if not corrected, the anticipated time the noncompliance is expected to continue, and
- c. The steps being taken to reduce, eliminate and prevent a recurrence of the noncomplying discharge.

#### 3. FACILITIES OPERATION

The permittee shall at all times maintain in good working order and operate as efficiently as possible all pretreatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

#### 4. ADVERSE IMPACT

The permittee shall take all reasonable steps to minimize any adverse impact to the PVSC Treatment Works resulting from noncompliance with any pretreatment limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge. This condition in no way affects PVSC's right to suspend a permit in order to stop a discharge which presents an imminent or substantial hazard to the public health, safety or welfare to the local environment or which interferes with the operation of the PVSC Treatment Works.

#### 5. REMOVED SUBSTANCES

Solids, sludges, filter backwash or other pollutants or hazardous waste removed in the course of pretreatment or control of wastewaters and/or the treatment of intake waters shall be disposed of in accordance with applicable Federal, State and local laws and regulations. Records documenting such disposal shall be made available to PVSC for review upon request.

#### F. MANAGEMENT RESPONSIBILITIES

#### 1. RIGHT OF ENTRY

The permittee shall allow the authorized representatives of PVSC, upon the presentation of credentials:

- a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring methods required in this permit; and to sample any discharge of pollutants.

#### 2. TRANSFER OF OWNERSHIP OR CONTROL

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall, in writing, notify the succeeding owner or controller of the existence of this permit, and the need to apply for a new permit, a copy of which shall be forwarded to PVSC.

#### 3. PERMIT MODIFICATION

After notice and opportunity for a hearing, this permit may be modified, or revoked in whole or in part during its terms for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

#### 4. TOXIC POLLUTANTS

Notwithstanding (Section C), above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition), is established under Section 307 (b) of the Federal Water Pollution Control Act (the Act), its amendments, or any other subsequent law or regulation, for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

#### 5. CIVIL AND CRIMINAL LIABILITY

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

#### 6. STATE LAWS

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State Law or regulation under authority preserved by Section 510, of the Federal Water Pollution Control Act. (The Act)

#### 7. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

#### 8. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

RONLED W. GLACOMA CHARMAN

JUMES KOTONE VICE CHURMAN

POBERT M. BURICE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHEO
FRUNK ORECHRO
DONALD TUCKER
COMMISSIONERS

Sewerage Commissioners

600 WILSON AVENUE NEWARK, N.J. 07105 (201) 344-1800 Fax: (201) 344-2951 J. 2 ROBERT J. DAVENPORT
DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBRORIO CHIEF COUNSEL

> LOUIS LANGULLO CLERK

July 21, 1993 .

Napp Chemicals, Inc. 199 Main Street P.O. Box 900 Lodi, New Jersey 07644

Attn: Lawrence Angilella

Certified Mail P 093 844 244

#### RE: REVISIONS TO SEWER CONNECTION PERMIT

Dear Mr. Angilella:

Enclosed are the revisions to your Industrial Sewer Connection Permit. Please review and attach these changes to your existing Permit accordingly.

Very truly yours,

PASSAIC YALLEY SEWERAGE COMMISSIONERS

Frank P. D'Ascensio,

Manager of Industrial & Pollution Control

FPD/mc

Enclosures

ce: Borough of Lodi

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#### PASSAIC VALLEY SEWERAGE COMMISSIONERS

#### SEWER CONNECTION PERMIT

PERMIT # 17401142

(Please use the Permit Number on any correspondence with PVSC) in compliance with the provisions of the Federal Water Pollution Control Act, its amendments, the Clean Water Act and the Bules and Regulations of the Passaic Valley Sewerage Commissioners:

Napp Chemicals, Inc.

(herein, after referred to as the Permittee)

is authorized to discharge from a facility located at

199 Main Street

Lodi, New Jersey 07644

to the Passaic Valley Sewerage Commissioners Treatment Works in accordance with discharge limitations, monitoring requirements and other conditions set forth herein.

EFFECTIVE DATE

02/24/91

EXPIRATION DATE

02/24/96 : \*\* \*\* \*\*\*

PASSAIC VALLEY SEWERAGE COMMISSIONERS

EXECUTIVE DIRECTOR

#### APPARAUMAL REQUIREMENTS SECTION C4 CONTINUED:

		REGULATION			VITE SE	Sample
		CONCENTRA			TS LANGE	Contract of the party of the pa
interes		LIMITS ug/		Company of Company of the Company of	Ko/day ***	The second of th
CHARACTERISTICS (C	MGD:		MAX	AVG		COMPOSITE
Benzene	0.050451	57	134	0.01090	0.02563	GRAB
Carbon Tetrachloride	0.050451	142	380	0.02716	0.07268	GRAB
Chlorobenzene	0.050451	142	380	0.02716	0.07268	GRAB
1,2,4,-Trichlorobenzene	0.050451	196	794	0.03749	0.15186	COMPOSITE
Hexachlorobenzene	0.050451	196	794	0.03749	0.15186	COMPOSITE
1,2-Dichloroethane	0.050451	180	574	0.03443	0.10978	GRAB
1,1,1-Trichloroethane	0.050451	22	59	0.00421	0.01128	GRAB
Hexachioroethane	0.050451	196	794	0.03749	0.15186	COMPOSITE
1,1-Dichloroethane	0.050451	22	59	0.00421	0.01128	GRAB
1,1,2-Trichloroethane	0.050451	32	127	0.00612	0.02429	GRAB
Chloroethane	0.050451	110	295	0.02104	0.05642	GRAB
Chloroform	0.050451	111	325	0.02123	0.06216	GRAB
1,2-Dichlorobenzene	0.050451	196	794	0.03749	0.15186	COMPOSITE
1,3-Dichlorobenzene	0.050451	142	380	0.02716	0.07268	COMPOSITE
1,4-Dichlorobenzene	0.050451	142	380	0.02716	0.07268	COMPOSITE
1,1-Dichloroethylene	0.050451	22	60	0.00421	0.01148	GRAB
1,2-Trans-Dichloroethylene	0.050451	25	66	0.00478	0.01262	GRAB
1,2-Dichloropropane	0.050451	196	794	0.03749	0.15186	GRA8
1,3-Dichloropropylene	0.050451	196	794	0.03749	0.15186	GRAB
Ethylbenzene	0.050451	142	380	0.02716	0.07268	GRAB
Methlyene Chloride	0.050451	36	170	0.00689	0.03251	GRAB
Methyl Chloride (Chloromethane)	0.050451	110	295	0.02104	0.05642	GRAB
Hexachlorobutadiene	0.050451	142	380	0.02716	0.07268	COMPOSITE
Nitrobenzene	0.050451	2237	6402	0.42784	1.22442	COMPOSITE
2-Nitrophenol	0.050451	65	231	0.01243	0.04418	COMPOSITE
4-Nitrophenol	0.050451	162	576	0.03098	0.11016	COMPOSITE
4,6-Dinitro-O-Cresol	0.050451	78	277	0.01492	0.05298	COMPOSITE
Tetrachloroethylene	0.050451	52	164	0.00995	0.03137	GRAB
Toluene	0.050451	28	74	0.00536	0.01415	GRAB
Trichloroethylene	0.050451	26	69	0.00497	0.01320	GRAB
Vinyl Chloride	0.050451	97	172	0.01855	0.03290	GRAB
Total Cyanide	0.050451	1084	3588	0.20732	0.68622	GRAB
Total Lead	0.050451	320	690	0.06120	0.13197	COMPOSITE
Total Zinc	0.050451	1050	2610	0.20082	0.49918	COMPOSITE

<sup>\*</sup>REGULATED VOLUME = MGD DURING 1992 PRODUCTION YEAR.

# OF PRODUCTION DAYS = 366

MASS LIMITS (g/DAY, #/DAY, Kg/DAY, ETC.) = COLUMN C X COLUMN D or E X CONVERSION FACTOR(S).

COLUMN C = VOLUME

**COLUMN D = AVERAGE REGULATED CONCENTRATION.** 

**COLUMN E = MAXIMUM REGULATED CONCENTRATION.** 

TOTAL CYANIDE REGULATION CONCENTRATIONS WERE FIRST ADJUSTED DUE TO THE COMBINED WASTESTREAM WITH THE 40 CFR 439 REGULATION.

**REV:** 07/93

# ATTACHMENT 12B

**Summary of Enforcement Actions** 





#### **ATTACHMENT 12B**

12(B). Summary of enforcement actions (including but not limited to, Notice of Violations, Court Orders, official notices or directives) for violations of environmental laws or regulations:

Name & address of agency that initiated the enforcement action	Date of the enforcement action	Section of statute, rule or permit allegedly violated	Type of enforcement action	Description of the violation	How was the violation resolved?
Passaic Valley Sewerage Commissioners (PVSC)	2/2/87	PVSC Rules and Regulations Section 316.4	Notice of violation	Late submission of required 90 day compliance report	Napp instructed to forward report within five days. No fines imposed.
PVSC	12/1/88	PVSC Rules and Regulations, Appendix B Pretreatment Limitation No. 2	Notice of violation	2 unreported excursions on LEL recorder charts (10/17/88 and 10/27/88)	Corrective action plan submitted
PVSC	12/29/88	PVSC Rules and Regulations Section 312.1(B) and 314.1	Notice of violation	pH excursions	No fines or further actions required
PVSC	3/14/89	PVSC Rules and Regulations Section 317.3	Notice of violation	Failure of continuous pH monitor	No fine imposed or corrective action required
PVSC	4/4/89	PVSC Rules and Regulations Section 317.3	Notice of violation	Failure to continuously monitor facility outfall	No fines or further action required
PVSC	4/25/89	PVSC Rules and Regulations Section 312.1(B)	Notice of violation	pH excursion due to a problem with pH meter (calibration)	Equipment modifications and additions implemented. No fines or further action required.

# ATTACHMENT 12B (continued)

Name & address of agency that initiated the enforcement action	Date of the enforcement action	Section of statute, rule or permit allegedly violated	Type of enforcement action	Description of the violation	How was the violation resolved?
PVSC	4/27/90	PVSC Rules and Regulations Section 312.1(B) and 315.2	Notice of violation	pH excursion	No fines or further action required
PVSC	4/30/90	Appendix B, Pretreatment Limitation No. 2 of PVSC Rules and Regulations	Notice of violation	Alleged discharge of toluene setting off lower explosive limit alarm	Additional housekeeping procedures to improve handling and treatment of plant materials were implemented
PVSC	6/29/90	N.J.S.A. 58:14-1 et seq, PVSC Rules and Regulations (312.1(B), 314.1, 317.3, 316.4 and Appendix B, Pretreatment Limitation No. 2) and sewer connection permit #17401142	Lawsuit	Alleged exceedance of pH limit and Lower Explosive Levels established by indirect discharge sewer permit	Settled. A new effluent treatment system was installed pursuant to a consent order dated March 8, 1991.
PVSC	7/16/90	PVSC Rules and Regulations Section 312.1(B)	Notice of violation	pH excursion	No fines or further action required
PVSC	3/11/91	Section 403.12(e) of Federal General Pretreatment Regulations	Notice of violation	Failure to provide complete better record report to demonstrate compliance with applicable pretreatment limitations	Submitted complete report





# ATTACHMENT 12B (continued)

Name & address of agency that initiated the enforcement action	Date of the enforcement action	Section of statute, rule or permit allegedly violated	Type of enforcement action	Description of the violation	How was the violation resolved?
PVSC	4/5/91	PVSC Rules and Regulations Section 312.1(B)	Notice of violation	pH excursion	Continuation of actions consistent with previously established compliance schedule. No fines imposed.
PVSC	3/25/93	40 CFR 439; PVSC Rules and Regulations Section 313.1	Notice of violation	Elevated cyanide levels	No fine imposed or further action required
PVSC	12/23/93	40 CFR 414, N.J.S.A. 58:14-1 et seq., N.J.S.A. 58:10A-1 et seq.	Lawsuit	Exceeded OCPSF discharge limitations; failure to comply with PVSC directives	Settled for \$2,000
NJDEP	10/14/94	N.J.A.C. 7:27-8.3(c)1	Administrative Order and Notice of Civil Administrative Penalty Assessment for \$200	Failure to file amendment to permit and certificate when company changed its name	On appeal to the Office of Administrative Law
NJDEP	10/14/94	N.J.A.C. 7:27-8.3(a)	Administrative Order and Notice of Civil Administrative Penalty Assessment for \$1,200	Construction, installation or alteration of air pollution emitting equipment without obtaining required permits	Matter appealed to the Office of Administrative Law
NJDEP	10/14/94	N.J.A.C. 7:27-8.3(e)1	Administrative Order and Notice of Civil Administrative Penalty Assessment for \$8,000	Failure to operate air pollution emitting equipment in compliance with certificates	Matter appealed to the Office of Administrative Law



Name & address of agency that initiated the enforcement action	Date of the enforcement action	Section of statute, rule or permit allegedly violated	Type of enforcement action	Description of the violation	How was the violation resolved?
NJDEP	12/21/94	N.J.A.C. 7:1E-2.2(a)4	Notice of violation and Civil Administrative Penalty Assessment	Failure to conduct initial integrity testing on 3 ASTs and appurtenant piping by the scheduled date (August 1993)	Integrity testing conducted; settled with \$750 penalty.

**ATTACHMENT 13** 

Site Map

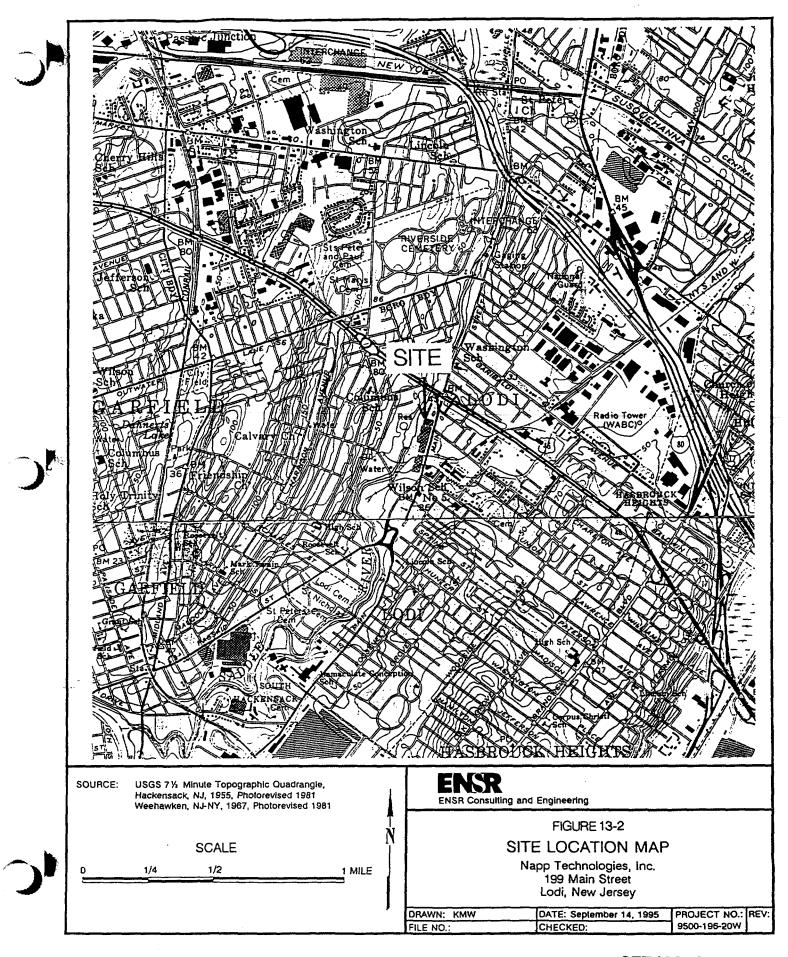
USGS Site Location Map

#### NOTICE ABOUT OVERSIZED MAP

THIS MAP CAN BE FOUND IN THE SITE FILE LOCATED AT: U.S. EPA SUPERFUND RECORDS CENTER, 290 BROADWAY, 18<sup>TH</sup> FLOOR, NY, NY 10007. TO MAKE AN APPOINTMENT TO VIEW THE MATERIAL PLEASE CONTACT THE RECORD CENTER AT (212) 637-4308.

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